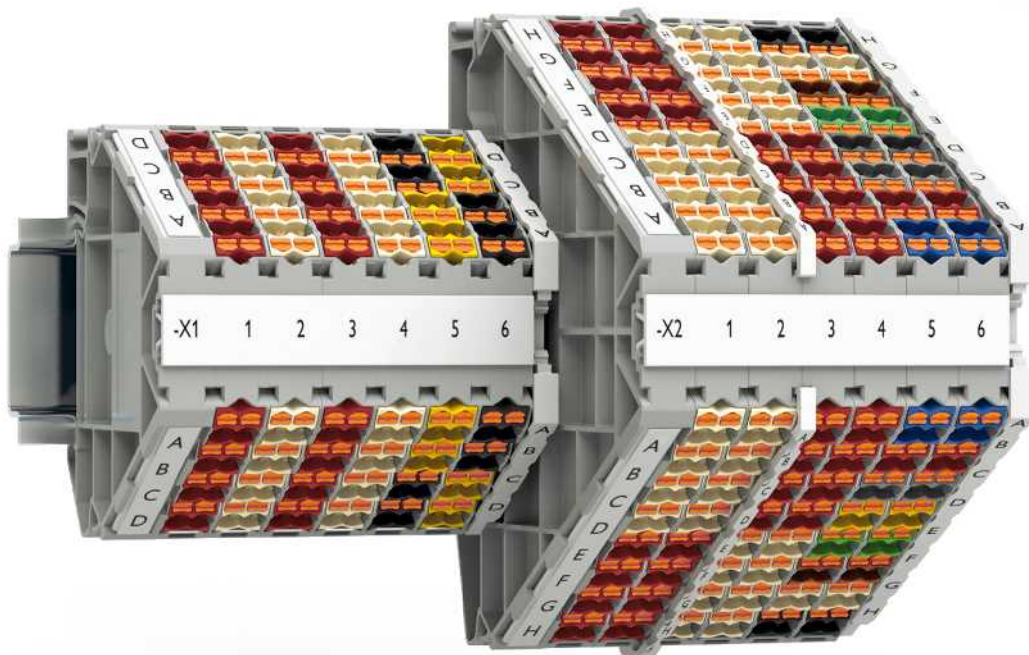


# 3

## Terminal Blocks 2015/2016





# Terminal blocks



## Sensor/actuator cabling and industrial connectors

- Sensor/actuator cabling
- Cables and lines
- Connectors



## Interface technology and switching devices

- Electronic switching devices and motor control
- Measurement and control technology
- Monitoring
- Relay modules
- System cabling for controllers



## Marking systems, tools, and mounting material

- Marking and labeling
- Tools
- Installation and mounting material



## Control technology, I/O systems, and automation infrastructure

- Lighting and signaling
- Fieldbus components and systems
- Functional Safety
- HMIs and industrial PCs
- I/O systems
- Industrial Ethernet
- Industrial communication technology
- Software
- Controllers
- Wireless data communication



## Surge protection and power supplies

- Surge protection and interference suppression filters
- Power supplies and UPS
- Protective devices



## PCB connection technology and electronics housing 2013/14

- PCB terminal blocks and PCB connectors
- Electronics housing

## Connection technology for field devices 2013/14

- Connectors
- Cables and lines

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# Table of contents

---

## Product range overview in pictures

4

From here, you can access the desired product directly

---

## System features

15

CLIPLINE complete

---

UT... screw connection terminal blocks



25

---

PT... push-in connection terminal blocks



79

---

ST... spring-cage connection terminal blocks



161

---

## Terminal blocks

CLIPLINE complete

---

QT... fast connection terminal blocks



209

---

COMBI plug-in connection solutions



225

---

RT... bolt connection terminal blocks



323

---

Accessories



337

---

## Terminal blocks

UK... universal terminal blocks



357

SK... shield terminals

---

## Sector-specific solutions



525

---

## Services

Terminal strips, CLIPSAFE terminal boxes, planning and marking software



589

---

## Technical information and index

598

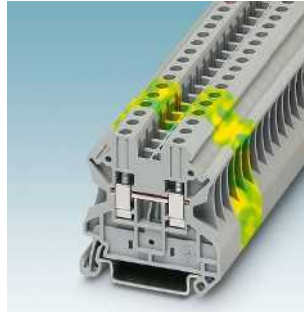
# Product range in pictures

From here, you can access the desired product directly

## UT... screw connection terminal blocks



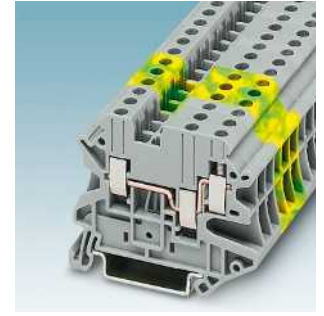
Page 25



Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals  
 2.5 mm<sup>2</sup> ... Page 30  
 4 mm<sup>2</sup> ... Page 40  
 6 mm<sup>2</sup> ... Page 52



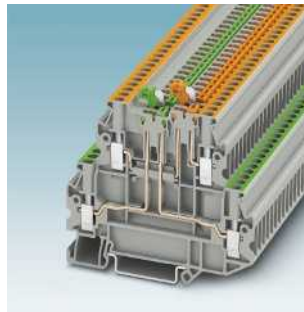
10 mm<sup>2</sup> ... Page 60  
 16 mm<sup>2</sup> ... Page 62  
 35 mm<sup>2</sup> ... Page 64  
 50 mm<sup>2</sup> - 240 mm<sup>2</sup> Page 66



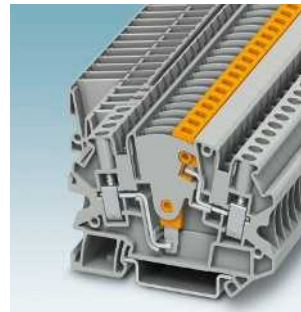
Three-conductor terminal blocks  
 2.5 mm<sup>2</sup> ... Page 31  
 4 mm<sup>2</sup> ... Page 41



Disconnect terminal blocks  
 2.5 mm<sup>2</sup> ... Page 33  
 4 mm<sup>2</sup> ... Page 45  
 6 mm<sup>2</sup> ... Page 54



Knife disconnect terminal blocks  
 2.5 mm<sup>2</sup> ... Page 34  
 4 mm<sup>2</sup> ... Page 47  
 6 mm<sup>2</sup> ... Page 55



Test disconnect terminal blocks  
 4 mm<sup>2</sup> ... Page 49  
 6 mm<sup>2</sup> ... Page 56



Diode terminal blocks  
 2.5 mm<sup>2</sup> ... Page 35  
 4 mm<sup>2</sup> ... Page 50

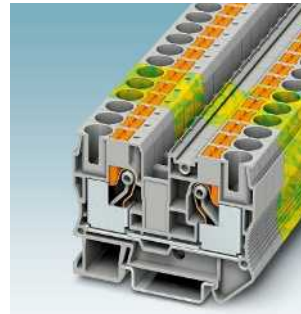
## PT... push-in connection terminal blocks



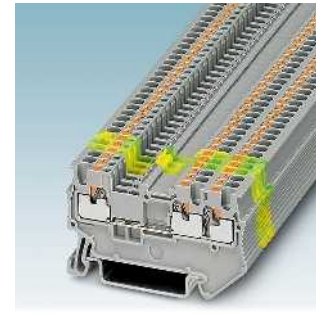
Page 79



Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals  
 1.5 mm<sup>2</sup> ... Page 86  
 2.5 mm<sup>2</sup> ... Page 110  
 4 mm<sup>2</sup> ... Page 132  
 6 mm<sup>2</sup> ... Page 140



10 mm<sup>2</sup> ... Page 146  
 16 mm<sup>2</sup> ... Page 148



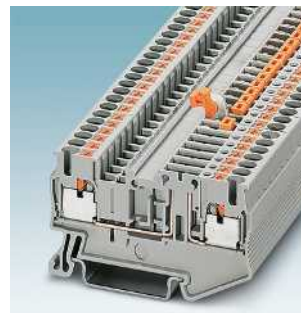
Three-conductor terminal blocks  
 1.5 mm<sup>2</sup> ... Page 87  
 2.5 mm<sup>2</sup> ... Page 111  
 4 mm<sup>2</sup> ... Page 133  
 6 mm<sup>2</sup> ... Page 141



Initiator/actuator terminal blocks  
 2.5 mm<sup>2</sup> ... Page 89



Fuse terminal blocks  
 4 mm<sup>2</sup> ... Page 134  
 10 mm<sup>2</sup> ... Page 147



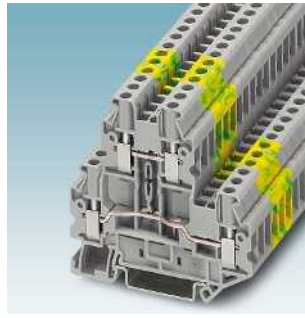
Disconnect and knife disconnect terminal blocks  
 1.5 mm<sup>2</sup> ... Page 90  
 2.5 mm<sup>2</sup> ... Page 113  
 4 mm<sup>2</sup> ... Page 135



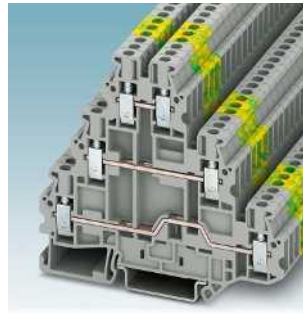
Test disconnect terminal blocks  
 4 mm<sup>2</sup> ... Page 136  
 6 mm<sup>2</sup> ... Page 142



Four-conductor terminal blocks  
2.5 mm<sup>2</sup> ... Page 31  
4 mm<sup>2</sup> ... Page 41



Double-level terminal blocks  
2.5 mm<sup>2</sup> ... Page 31  
4 mm<sup>2</sup> ... Page 42



Three-level terminal blocks  
2.5 mm<sup>2</sup> ... Page 32  
4 mm<sup>2</sup> ... Page 42



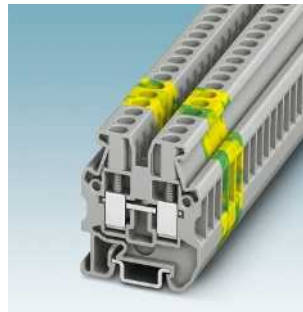
Fuse terminal blocks  
4 mm<sup>2</sup> ... Page 43  
6 mm<sup>2</sup> ... Page 53



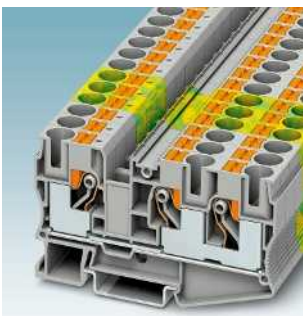
Installation terminal blocks  
2.5 mm<sup>2</sup> ... Page 36  
4 mm<sup>2</sup> ... Page 51  
6 mm<sup>2</sup> ... Page 58  
10 mm<sup>2</sup> ... Page 61



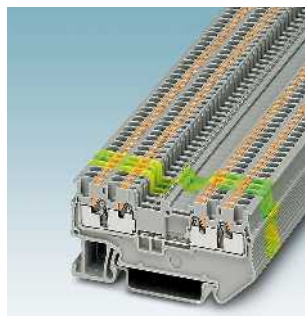
16 mm<sup>2</sup> ... Page 63  
35 mm<sup>2</sup> ... Page 65



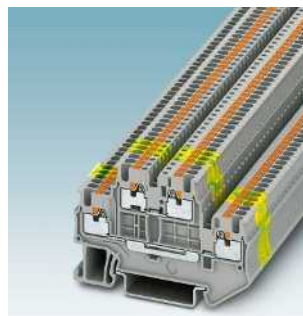
Mini feed-through terminal blocks and  
ground terminals  
2.5 mm<sup>2</sup> ... Page 39  
4 mm<sup>2</sup> ... Page 51



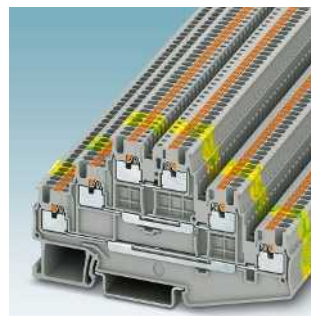
10 mm<sup>2</sup> ... Page 147  
16 mm<sup>2</sup> ... Page 149



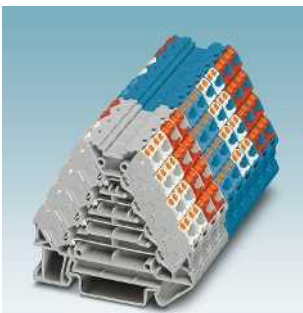
Four-conductor terminal blocks  
1.5 mm<sup>2</sup> ... Page 87  
2.5 mm<sup>2</sup> ... Page 111  
4 mm<sup>2</sup> ... Page 133  
6 mm<sup>2</sup> ... Page 141



Double-level terminal blocks  
1.5 mm<sup>2</sup> ... Page 87  
2.5 mm<sup>2</sup> ... Page 111  
4 mm<sup>2</sup> ... Page 133



Three-level terminal blocks  
1.5 mm<sup>2</sup> ... Page 88  
2.5 mm<sup>2</sup> ... Page 112



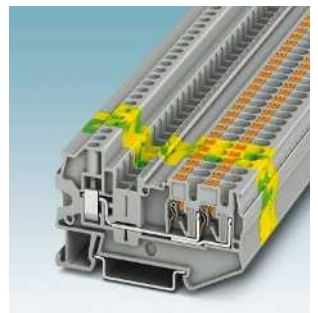
Marshalling terminals  
2.5 mm<sup>2</sup> ... Page 92



Marshalling patchboards  
2.5 mm<sup>2</sup> ... Page 99



Diode terminal blocks  
2.5 mm<sup>2</sup> ... Page 121  
4 mm<sup>2</sup> ... Page 137



Hybrid terminal blocks with single-sided  
screw connection  
2.5 mm<sup>2</sup> ... Page 123  
4 mm<sup>2</sup> ... Page 137  
16 mm<sup>2</sup> ... Page 123

# Product range in pictures

From here, you can access the desired product directly



Feed-through terminal blocks and ground terminals, desk design  
1.5 mm<sup>2</sup> ... Page 108  
2.5 mm<sup>2</sup> ... Page 124



Three-conductor terminal blocks, desk design  
1.5 mm<sup>2</sup> ... Page 108  
2.5 mm<sup>2</sup> ... Page 124



Four-conductor terminal blocks, desk design  
1.5 mm<sup>2</sup> ... Page 108  
2.5 mm<sup>2</sup> ... Page 124

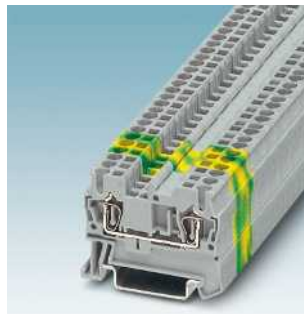


Double-level terminal blocks, desk design  
1.5 mm<sup>2</sup> ... Page 108  
2.5 mm<sup>2</sup> ... Page 124

## ST... spring-cage connection terminal blocks



Page 161



Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals  
1.5 mm<sup>2</sup> ... Page 166  
2.5 mm<sup>2</sup> ... Page 170  
4 mm<sup>2</sup> ... Page 186



6 mm<sup>2</sup> ... Page 194  
10 mm<sup>2</sup> ... Page 200  
16 mm<sup>2</sup> ... Page 204  
35 mm<sup>2</sup> ... Page 206



Three-conductor terminal blocks  
1.5 mm<sup>2</sup> ... Page 167  
2.5 mm<sup>2</sup> ... Page 171  
4 mm<sup>2</sup> ... Page 187  
6 mm<sup>2</sup> ... Page 195



Initiator/actuator terminal blocks  
2.5 mm<sup>2</sup> ... Page 174



Fuse terminal blocks  
4 mm<sup>2</sup> ... Page 189  
6 mm<sup>2</sup> ... Page 199



Disconnect and knife disconnect terminal blocks  
2.5 mm<sup>2</sup> ... Page 176  
4 mm<sup>2</sup> ... Page 190



Test disconnect terminal blocks  
6 mm<sup>2</sup> ... Page 195



Three-conductor terminal blocks, desk design  
2.5 mm<sup>2</sup> ... Page 180  
4 mm<sup>2</sup> ... Page 191  
6 mm<sup>2</sup> ... Page 197



Four-conductor terminal blocks, desk design  
2.5 mm<sup>2</sup> ... Page 181  
4 mm<sup>2</sup> ... Page 192



Double-level terminal blocks, desk design  
2.5 mm<sup>2</sup> ... Page 181  
4 mm<sup>2</sup> ... Page 192



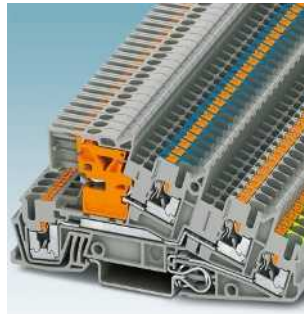
Disconnect and knife disconnect terminal blocks, desk design  
2.5 mm<sup>2</sup> ... Page 181  
4 mm<sup>2</sup> ... Page 193

From here, you can access the desired product directly

**PTPOWER**



Installation terminal blocks  
2.5 mm² ... Page 126  
4 mm² ... Page 138  
6 mm² ... Page 145



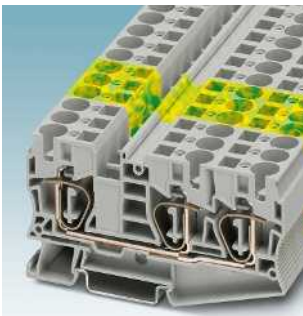
Multi-level installation terminal blocks  
2.5 mm² ... Page 127  
4 mm² ... Page 139



Mini feed-through terminal blocks and ground terminals  
1.5 mm² ... Page 109  
2.5 mm² ... Page 131



High-current terminal blocks and high-current terminal block bases  
35 mm² ... Page 153  
50 mm² ... Page 155  
95 mm² ... Page 157  
150 mm² ... Page 159



10 mm² ... Page 201  
16 mm² ... Page 205



Four-conductor terminal blocks  
1.5 mm² ... Page 167  
2.5 mm² ... Page 171  
4 mm² ... Page 187



Double-level terminal blocks  
1.5 mm² ... Page 168  
2.5 mm² ... Page 172  
4 mm² ... Page 188



Three-level terminal blocks  
2.5 mm² ... Page 173



Diode terminal blocks  
2.5 mm² ... Page 178  
4 mm² ... Page 190



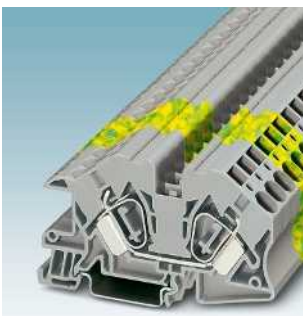
Double-level diode terminal blocks  
2.5 mm² ... Page 178



Hybrid terminal blocks with single-sided screw connection  
2.5 mm² ... Page 180  
4 mm² ... Page 191  
10 mm² ... Page 202  
35 mm² ... Page 207



Feed-through terminal blocks and ground terminals, desk design  
2.5 mm² ... Page 180  
4 mm² ... Page 191  
6 mm² ... Page 197



Installation terminal blocks  
10 mm² ... Page 201  
16 mm² ... Page 205  
35 mm² ... Page 207



Mini feed-through terminal blocks and ground terminals, with vertical conductor exit  
2.5 mm² ... Page 182



Mini feed-through terminal blocks and ground terminals, with horizontal conductor exit  
2.5 mm² ... Page 184

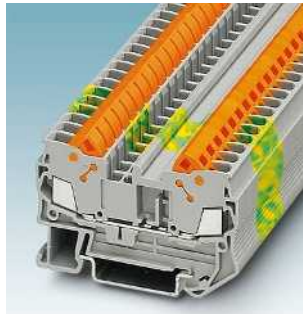
# Product range in pictures

From here, you can access the desired product directly

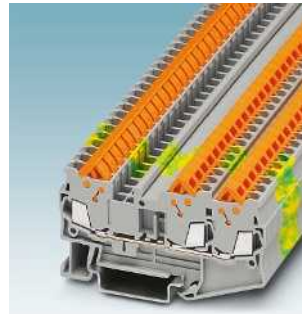
## QT... fast connection terminal blocks



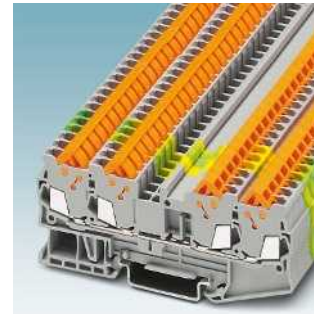
Page 209



Feed-through and multi-conductor terminal blocks  
1.5 mm<sup>2</sup> ... Page 214  
2.5 mm<sup>2</sup> ... Page 220



Three-conductor terminal blocks  
1.5 mm<sup>2</sup> ... Page 215  
2.5 mm<sup>2</sup> ... Page 221



Four-conductor terminal blocks  
1.5 mm<sup>2</sup> ... Page 215  
2.5 mm<sup>2</sup> ... Page 221

## COMBI plug-in connection solutions



Hybrid terminal blocks with spring-cage connection on one side  
1.5 mm<sup>2</sup> ... Page 219  
2.5 mm<sup>2</sup> ... Page 223



Page 225



Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals with screw connection  
2.5 mm<sup>2</sup> ... Page 234  
4 mm<sup>2</sup> ... Page 240  
6 mm<sup>2</sup> ... Page 250



Terminal blocks that can be connected on both sides  
2.5 mm<sup>2</sup> ... Page 236  
4 mm<sup>2</sup> ... Page 242



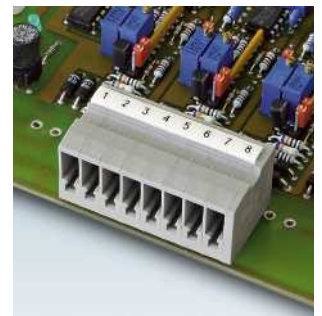
Terminal blocks that can be connected on both sides  
1.5 mm<sup>2</sup> ... Page 256  
2.5 mm<sup>2</sup> ... Page 265  
4 mm<sup>2</sup> ... Page 271



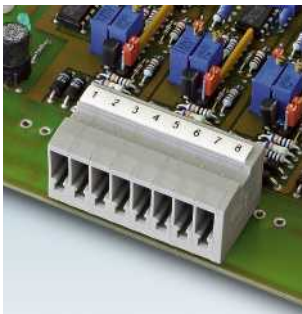
Test disconnect terminal blocks  
6 mm<sup>2</sup> ... Page 275



Couplings with push-in connection - assembled and for self-assembly  
1.5 mm<sup>2</sup> ... Page 258  
6 mm<sup>2</sup> ... Page 278



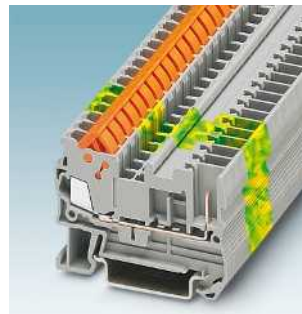
Headers  
2.5 mm<sup>2</sup> ... Page 267  
4 mm<sup>2</sup> ... Page 272



Headers  
2.5 mm<sup>2</sup> ... Page 291  
4 mm<sup>2</sup> ... Page 304



Connectors with spring-cage connection - assembled and for self-assembly  
2.5 mm<sup>2</sup> ... Page 292  
4 mm<sup>2</sup> ... Page 305



Feed-through and multi-level terminal blocks and ground terminals with fast connection  
1.5 mm<sup>2</sup> ... Page 306



Connectors with fast connection - assembled and for self-assembly  
1.5 mm<sup>2</sup> ... Page 308



From here, you can access the desired product directly



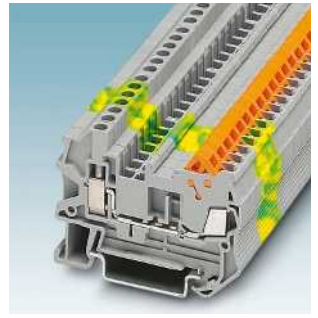
Double-level terminal blocks  
1.5 mm<sup>2</sup> ... Page 216



Fuse terminal blocks  
2.5 mm<sup>2</sup> ... Page 222



Disconnect and knife disconnect terminal blocks  
1.5 mm<sup>2</sup> ... Page 216



Hybrid terminal blocks with single-sided screw connection  
1.5 mm<sup>2</sup> ... Page 218  
2.5 mm<sup>2</sup> ... Page 222



Test disconnect terminal blocks  
4 mm<sup>2</sup> ... Page 243



Headers  
2.5 mm<sup>2</sup> ... Page 237  
4 mm<sup>2</sup> ... Page 245



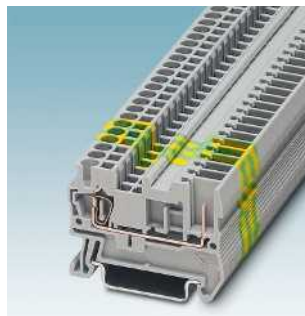
Connectors with screw connection - assembled and for self-assembly  
2.5 mm<sup>2</sup> ... Page 238  
4 mm<sup>2</sup> ... Page 247  
6 mm<sup>2</sup> ... Page 252



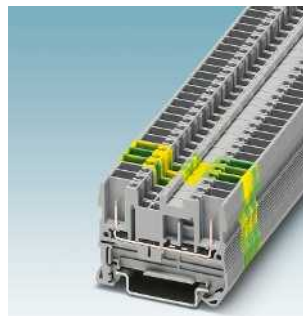
Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals with push-in connection  
1.5 mm<sup>2</sup> ... Page 254  
2.5 mm<sup>2</sup> ... Page 262  
4 mm<sup>2</sup> ... Page 270  
6 mm<sup>2</sup> ... Page 274



Connectors with push-in connection - assembled and for self-assembly  
1.5 mm<sup>2</sup> ... Page 260  
2.5 mm<sup>2</sup> ... Page 268  
4 mm<sup>2</sup> ... Page 273  
6 mm<sup>2</sup> ... Page 280



Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals with spring-cage connection  
2.5 mm<sup>2</sup> ... Page 282  
4 mm<sup>2</sup> ... Page 298



Terminal blocks that can be connected on both sides  
2.5 mm<sup>2</sup> ... Page 286  
4 mm<sup>2</sup> ... Page 299



Couplings with spring-cage connection - assembled and for self-assembly  
2.5 mm<sup>2</sup> ... Page 287  
4 mm<sup>2</sup> ... Page 301



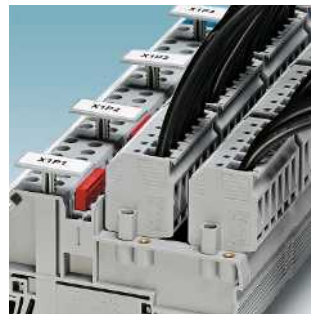
Latching and strain relief  
PR ..., PRZ ... Page 313



Latching  
PR ..., UPR ... Page 313



Cable housing for COMBI connectors  
PH ... Page 316



Self-locking flange covers  
DFS ... Page 319  
Screw flange and flange cover  
UP ...-F Page 320

# Product range in pictures

From here, you can access the desired product directly

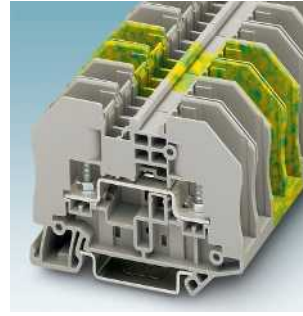
## RT... bolt connection terminal blocks



Page 323



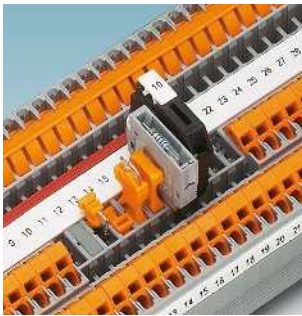
Feed-through terminal blocks  
2.5 mm<sup>2</sup> ... Page 328  
6 mm<sup>2</sup> ... Page 330  
35 mm<sup>2</sup> ... Page 334



Feed-through terminal blocks, open design  
2.5 mm<sup>2</sup> ... Page 329  
6 mm<sup>2</sup> ... Page 331  
35 mm<sup>2</sup> ... Page 335



Disconnect terminal blocks  
6 mm<sup>2</sup> ... Page 333



Isolating plugs and component connectors  
P... Page 350



Marker carriers/warning labels  
STP ... Page 352  
For end clamps and DIN rails, see Catalog 5

## UK... universal terminal blocks



Page 357



Feed-through terminal blocks and ground terminals  
UK ..., USLKG ... Page 360



Screw cap fuse terminal blocks  
UK ...-DREHSI Page 398



Fuse terminal blocks for NEOZED® and DIAZED® fuse-links  
USEN ... Page 408



Basic terminal block for isolating plugs and component connectors  
UK ...-TG Page 410



Fuse and isolating plugs and component connectors  
ST-BE, BES 6 Page 412



Test disconnect terminal blocks  
URTK/SP Page 429



Double-level diode terminal blocks  
UKK ...-DIO Page 432



Thermoelectric voltage terminal blocks  
MTKD ... Page 436

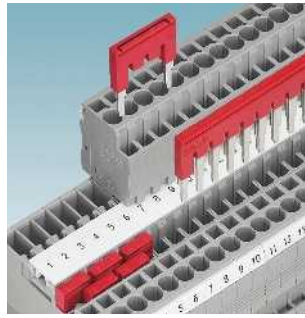


Ground disconnect terminal blocks  
GTF 76 Page 437

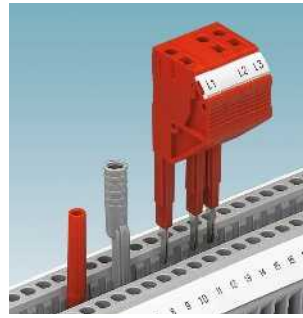
Accessories



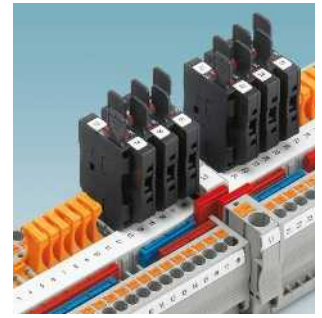
Page 337



Jumpers  
FBS ... Page 340  
FBSR ... Page 342



Test accessories  
PS ..., MPS ..., PAI ... Page 346



Fuse plugs  
P-FU...-5 Page 349



Three- and four-conductor terminal blocks  
UK ...-TWIN Page 368  
UDK ... Page 372



Double-level terminal blocks  
UKK ... Page 374



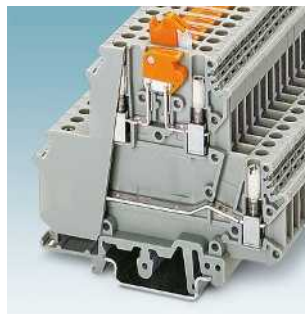
Initiator/actuator terminal blocks  
DIK ..., DOK ..., VIOK ... Page 382



Lever-type fuse terminal blocks  
UK 5-HESI N Page 392



Knife disconnect terminal blocks  
MTK ... Page 416  
UK ...MTK Page 417



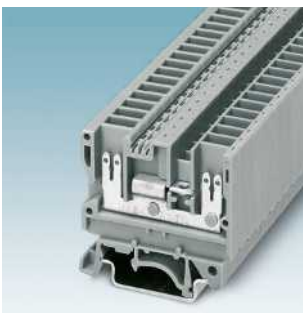
Double-level knife disconnect terminal blocks  
UKK ...MTK Page 418



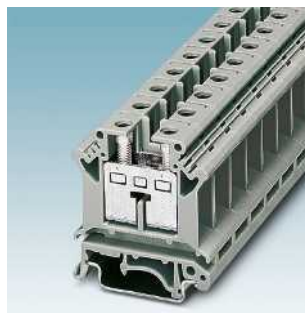
Cross connection terminal blocks  
UGSK/S Page 421



Common mode and cross connection terminal blocks  
URTK 6 Page 427



Terminal blocks with spade connection  
UVKB 4-FS/FS ... Page 438



Installation terminal blocks  
UIK ... Page 444



Installation ground terminals  
UISLKG ... Page 446



Neutral disconnect terminal blocks  
UKN ... Page 447

# Product range in pictures

From here, you can access the desired product directly



Ceramic terminal blocks  
SSK ... Page 450



Spring-assisted screw terminal blocks  
USST ... Page 454



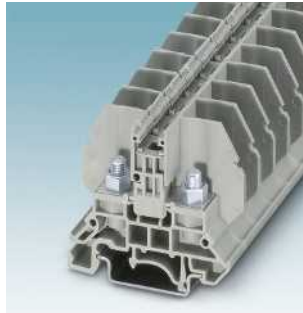
Spring-assisted disconnect terminal blocks  
USST-T ... Page 458



Micro/mini terminal blocks  
MT 1,5 ... Page 462



Bolt connection terminal block with  
disconnect function  
OTTA 6-T Page 476



Bolt connection terminal blocks for DIN rail  
and direct mounting  
RBO ... Page 478



Bolt connection terminal blocks with  
covering hood  
RBO ...-HC Page 484

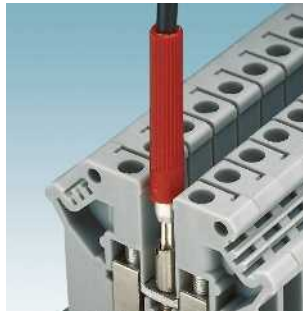


Bolt connection terminal blocks for DIN rail  
and direct mounting  
RSC ... Page 486

## Accessories



Potential distributors  
See Catalog 7, page 618



Test plugs for UK series  
PS ... Page 504



Test plugs for UK series  
MPS ... Page 509  
PS-UK ... Page 509

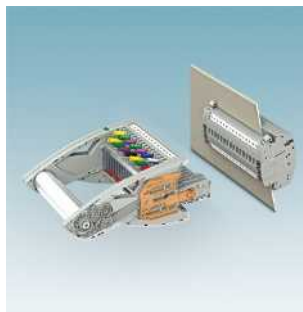


Warning labels  
WS ... Page 511

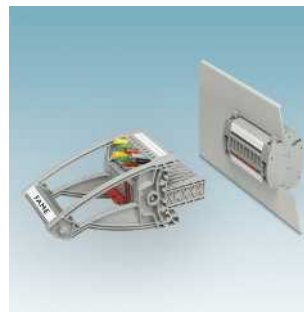
## Sector-specific solutions



Supports for direct mounting  
AB ... Page 521



FAME 2 plug-in test system without  
operating plug Page 528

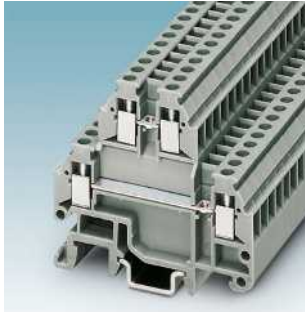


FAME 1 plug-in test system with operating  
plug Page 560



Rotary switches  
RS20-US ... Page 569

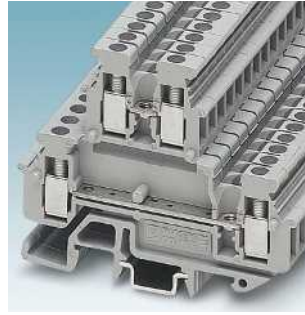
From here, you can access the desired product directly



Micro/mini terminal blocks  
MTTB 1.5 ... Page 465



Mini strip terminal blocks  
MBK ... Page 468



Double-level mini terminal blocks  
MBKKB ... Page 470



Bolt connection terminal blocks for DIN rail  
and direct mounting  
OTTA ... Page 473



High-current connectors  
HV M ... Page 491



High-current connectors  
UHV ... Page 494



Device terminal blocks  
G ..., GE ... Page 498



Trunk line branch terminals  
UDB 2X... Page 502

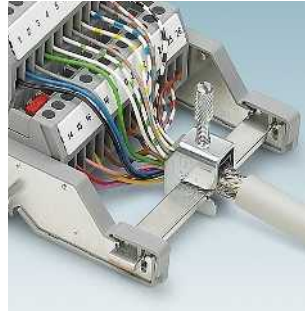
**SK... shield terminals**



Shield terminals  
SK ... Page 512



Shield terminals  
SKS ... Page 515



Shielded supports for neutral busbars  
AB-SK ..., AB/SS ... Page 516



Double supports  
AB-SK 65-D... Page 518

**Services: terminal strips, CLIPS SAFE stainless steel Ex terminal boxes, and empty housings**



Service  
Page 589



Terminal strips  
Page 590

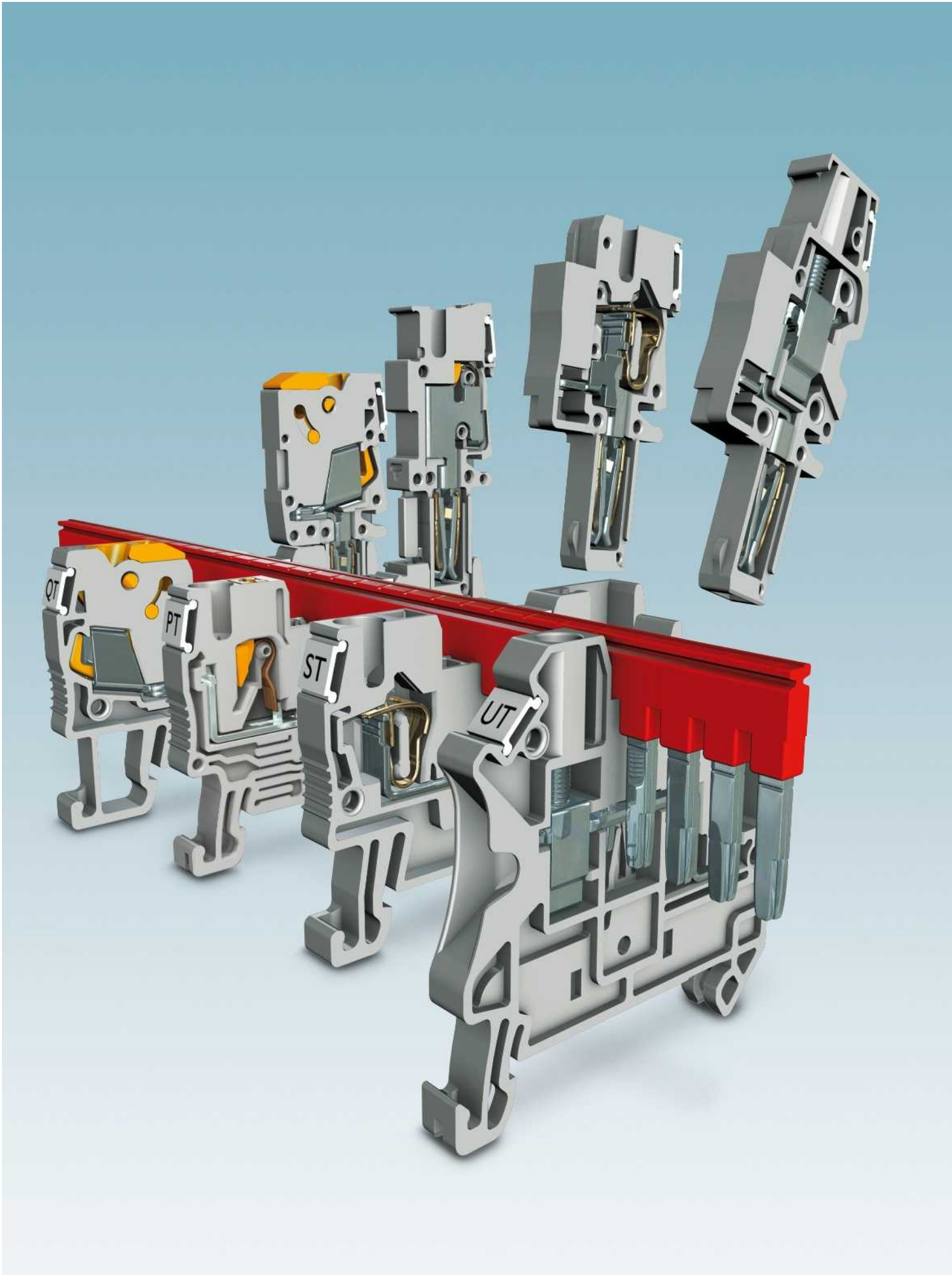


CLIPS SAFE stainless steel Ex terminal boxes  
and empty housings  
Page 592

**Planning and marking software**



Planning and marking software  
CLIP PROJECT  
Page 594



# CLIPLINE complete system features

With CLIPLINE complete, the unique terminal block system from Phoenix Contact, the choice of connection technology is yours. The following connection methods are available:

- Universal UT... screw connection
- Simple PT... push-in connection
- Compact ST... spring-cage connection
- Fast QT QUICKON connection
- COMBI plug-in connection solutions
- Robust RT bolt connection

Irrespective of which connection technology you choose, they can all be freely combined, with the same accessories, thanks to the double function shaft.

In addition to the flexibility of this terminal block system, CLIPLINE complete also provides added value. The bridging, marking, and test accessories are standardized and can reduce your logistics and storage costs.

The CLIPLINE complete terminal block system has been tested and approved for a wide range of national and international approvals. The maximum level of safety in these standards is achieved by routine testing of the standard CLIPLINE complete terminal blocks according to the ATEX Directive. They can also be used in the Ex e area.

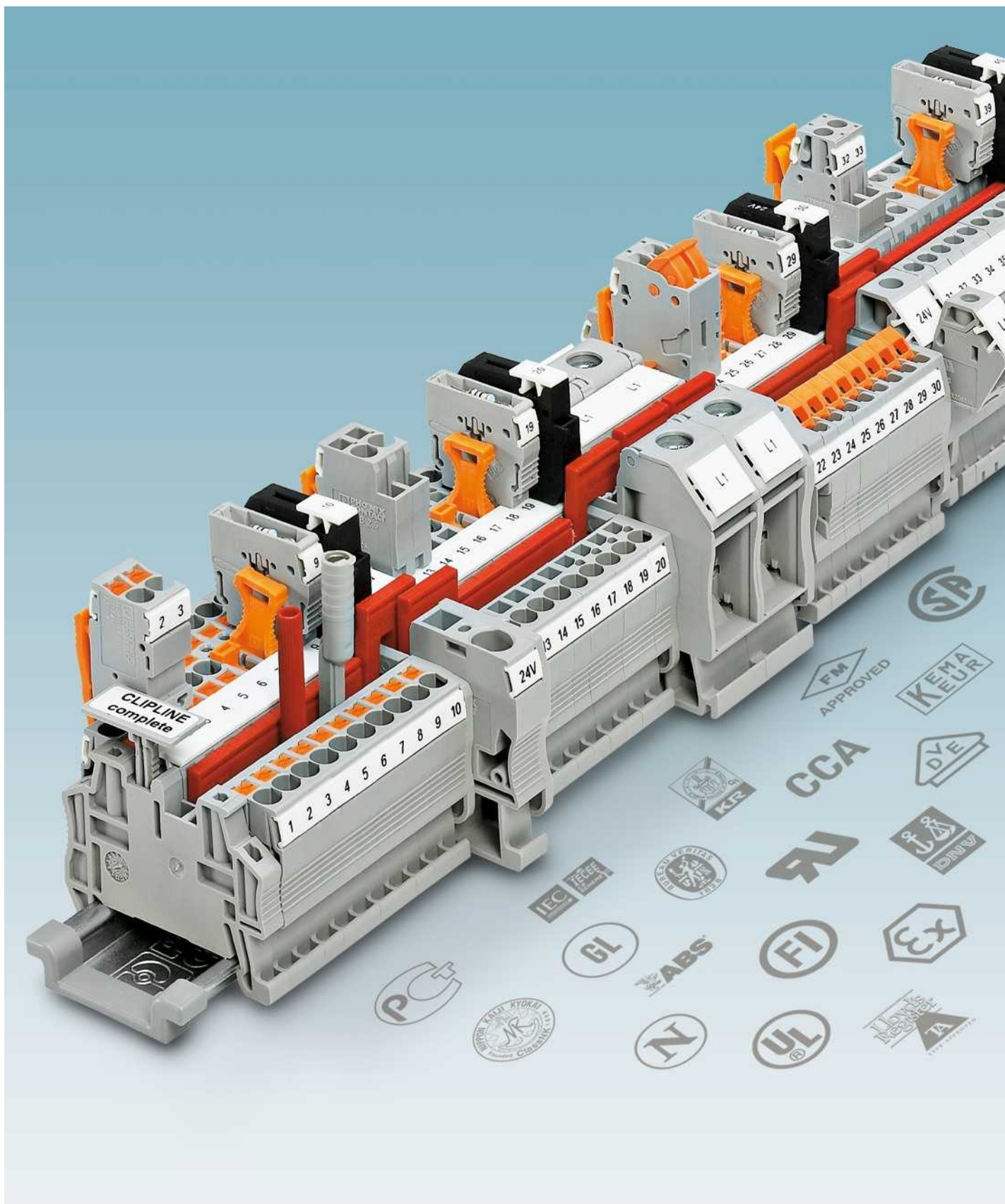
## Product range overview

### System features

16

# CLIPLINE complete

All connection technologies, one system





**General**

The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies. Marking and test accessories are standardized and reduce logistics costs. In addition, all terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double function shaft. The standardized plug-in zone of the COMBI basic terminal blocks also allows the connection of modules via individually configurable plugs, regardless of the connection technology.

CLIPLINE complete terminal blocks with screw, spring-cage, push-in, bolt, and plug-in connections enable you to react flexibly to the demands of your customers anywhere in the world.

**Flexible jumper system**

The same jumper for all connection technologies. To allow fast and individual potential distribution, the terminal blocks in the CLIPLINE complete system have two function shafts. These are arranged in one line over all the terminal blocks, allowing for a combination of connection technologies. The 2- to 50-pos. jumpers make it possible to implement all the tasks of potential bridging within a very short time. Reducing bridges connect, for example, UT... screw terminal blocks and ST... spring-cage terminal blocks.

The plug-in switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks.

**Plug-in connection solutions**

The COMBI connection system enables the time-saving and modular configuration of your application. Like the terminal blocks, the COMBI connectors are available with screw, spring-cage, push-in, and fast connection technologies.

The nominal data of up to 41 A and 1000 V has made a connection system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the plugs are touch proof.

Extensive accessories are available, from latching mechanisms to shield connections.

**Multifunctional disconnect zone**

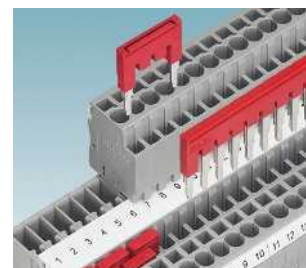
All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. The fuse plugs are designed for the use of cartridge fuse-links. The patented component connector allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

**Large-surface marking**

All the terminal points of the terminal blocks in the CLIPLINE complete system have large-surface marking options. This is a precondition for clear wiring and startup and simplifies assignment during testing and maintenance work. Optional large-surface snap-on marker carriers are available for group and terminal strip marking.

**Standardized test system**

A comprehensive range of test accessories is available in the CLIPLINE complete system. All test plugs make contact in the freely accessible function shaft. For individual measuring lines, a 2.3 mm diameter test plug is available. More complex testing tasks can be implemented using alignable test plugs. The corresponding spacers can be used to assemble individual test adapters perfectly suited for use in test laboratories.



**Jumperring**



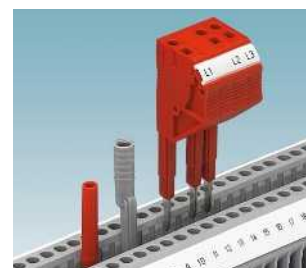
**Inserting**



**Disconnecting**

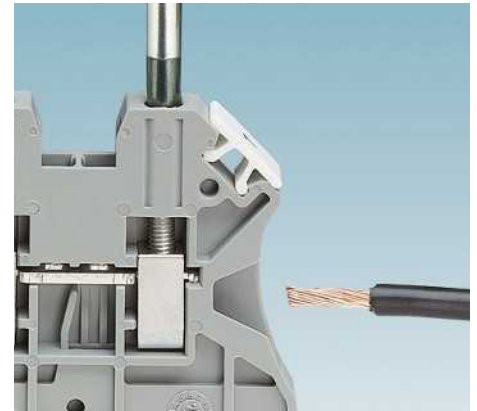
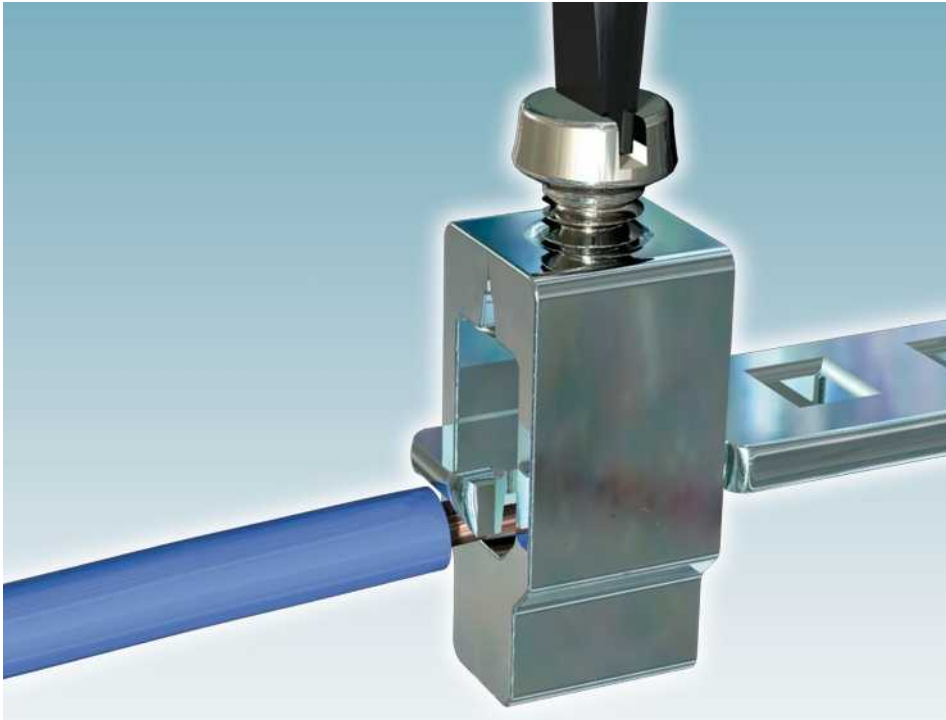


**Marking**



**Testing**

### System features - screw connection



#### Material properties

The metal parts of the UT... screw connection terminal blocks are made from high-grade, strain-crack, and corrosion-proof copper alloys as a standard feature. This eliminates the possibility of electrolytic corrosion in the presence of moisture and the risk of rusting. The consequences, such as unreliable electrical contacts and/or jammed screws, are also prevented. Another advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

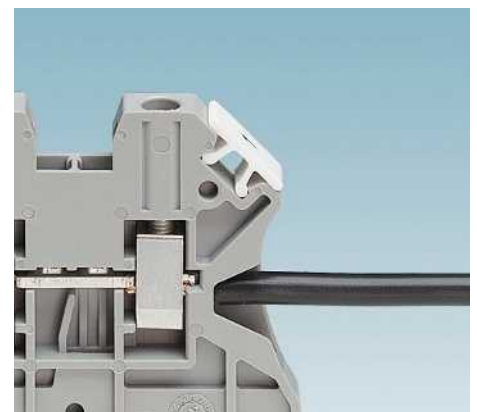
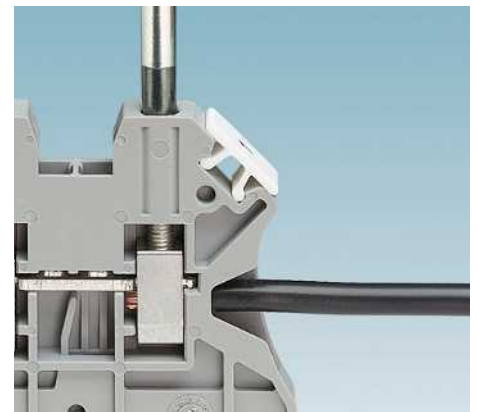
The insulating housing of the UT... screw connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

#### Connection principle

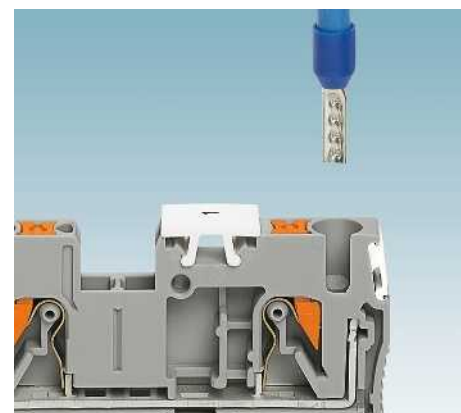
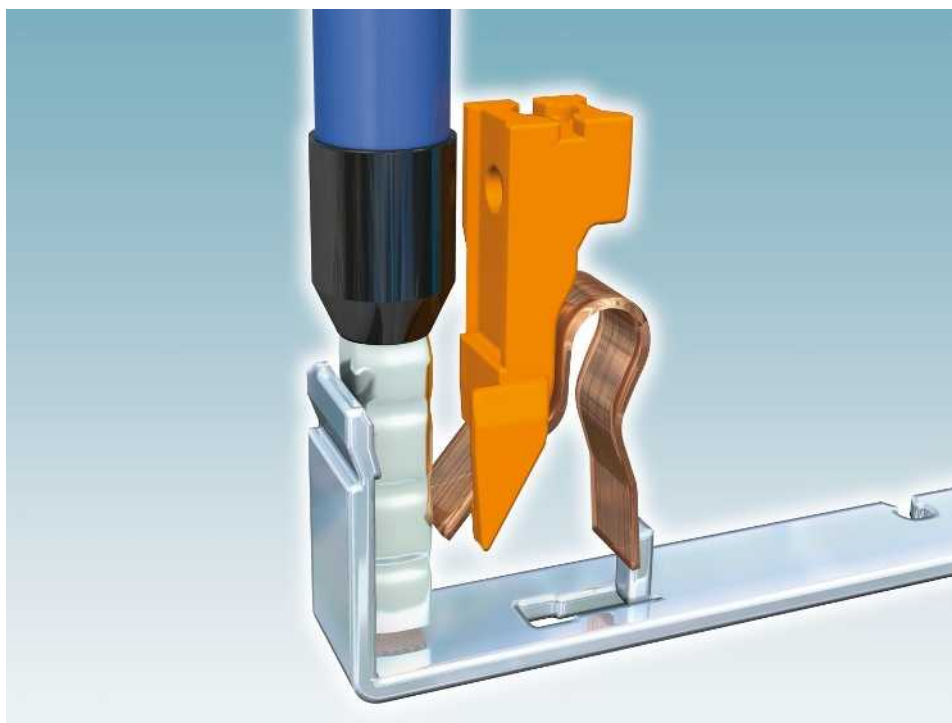
UT... screw connection terminal blocks are designed for the most stringent requirements. For more than 80 years, they have proven themselves a billion times over in all applications. An important characteristic is the maintenance-free conductor connection. There is no need to tighten the terminal block screws. The screws are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact.

Phoenix Contact UT... screw connection terminal blocks can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules. A special characteristic of the screw clamping body is the multi-conductor connection, which is often required.

Very large conductor cross sections up to 240 mm<sup>2</sup> can also be wired gas-tight and with long-term stability thanks to the high contact forces.



## System features - push-in connection



### Material properties

All metal parts of the push-in terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The contact force for the push-in connection is applied by a leg spring made of high-strength chromium-nickel spring steel.

The insulating housing of the terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

### Connection principle

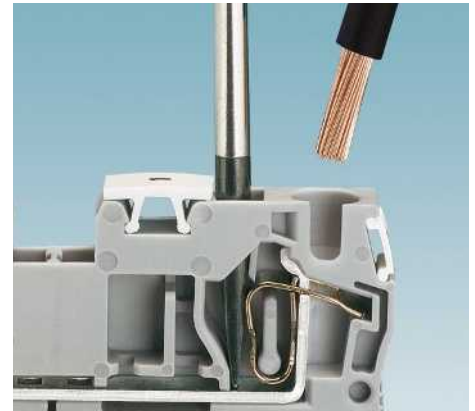
PT... push-in connection terminal blocks have been developed for direct conductor connection. This means that solid conductors or conductors with ferrules can be inserted directly into the terminal block without tools.

The special spring profile enables the easy insertion of conductors with ferrules from 0.34 mm<sup>2</sup> to 95 mm<sup>2</sup>. The contact spring is opened automatically when the conductor is pushed in and thereby provides the required pressure force against the current bar. Both for releasing conductors and connecting small cross sections from 0.14 mm<sup>2</sup>, the spring is opened by means of the actuation lever – easily and without direct contact with live parts. The actuation lever can be operated with all standard screwdrivers.

The PT... connection technology has been tested and approved for a wide range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).



### System features - spring-cage connection



#### Material properties

All metal parts of the spring-cage terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The contact force for the spring-cage connection is applied by a spring element made from high-strength chromium-nickel spring steel.

The insulating housing of the spring-cage terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

#### Connection principle

ST... spring-cage terminal blocks have been developed for universal spring-loaded conductor contacting.

The contact force is independent of the user and creates a vibration-proof, gas-tight connection with long-term stability.

The terminal point is opened with a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact. The easy operation is a result of the front connection, i.e., the conductor and screwdriver come in parallel from the same direction.

All kinds of copper conductors up to 35 mm<sup>2</sup> can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

Phoenix Contact spring-cage terminal blocks offer a large insertion space, i.e., conductors with ferrules and insulating collars and with a nominal cross section can also be wired.



## System features - fast connection



### Material properties

The patented contact metals of the QT... fast connection terminal blocks are made from a special, high-grade copper alloy. This combines good electrical conductivity with excellent elastic characteristics.

The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the fast connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

### Connection principle

QT QUICKON terminal blocks are designed for fast conductor connection. There is no need to strip or implement splicing protection; the cables simply need to be cut to length for contact to be made in a matter of seconds.

An important characteristic is the space-saving twist connection. Due to the simplicity of the connection, the wiring time is reduced by up to 60 percent. A standard screwdriver is used to operate the terminal blocks and the switching states are clearly signaled by engagement points in the start and end position.

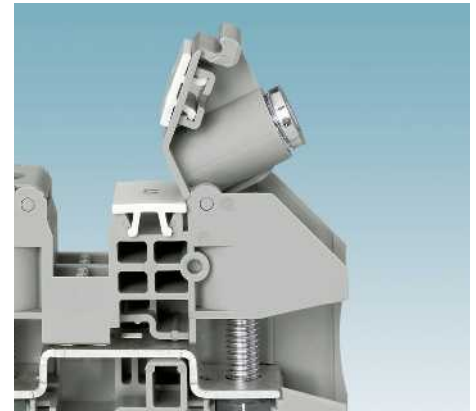
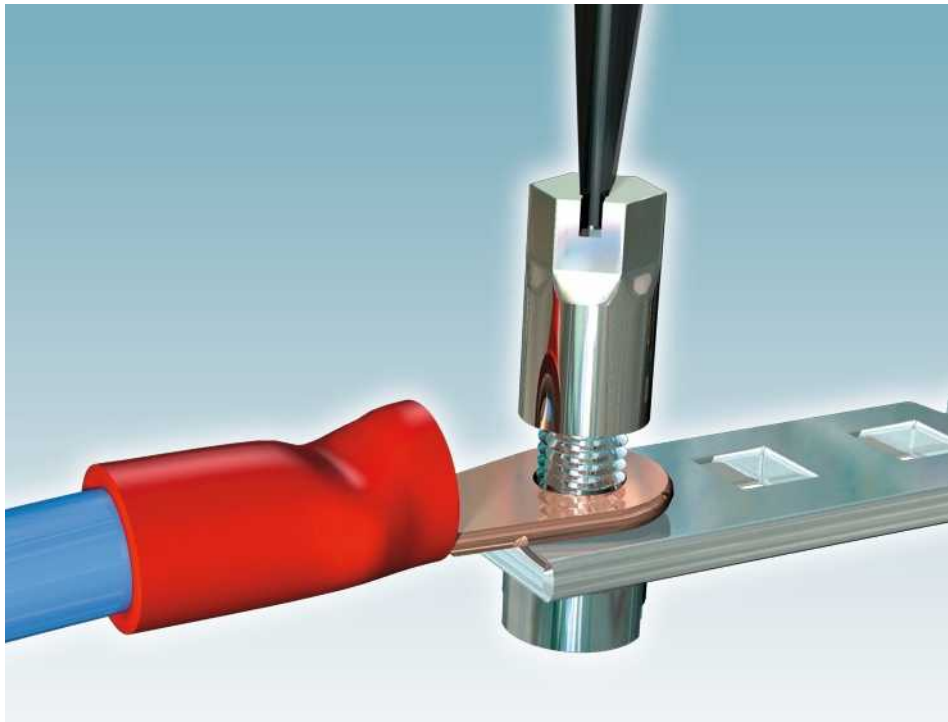
Solid and stranded conductors from 0.25 to 2.5 mm<sup>2</sup> can be wired without aids such as guide ferrules.

When a conductor is connected, the conductor insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes extensive, gas-tight contact.

The high quality of the QUICKON fast connection is verified by the fact that this connection is certified according to the standard for Ex e applications, as are the screw and spring connections.



### System features - bolt connection



#### Material properties

All metal parts of the bolt connection terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. Due to their good electrical conductivity, they ensure a low temperature rise. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the bolt connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

#### Connection principle

RT... bolt connection terminal blocks have been developed with a robust design and offer convenient wiring for ring cable lugs.

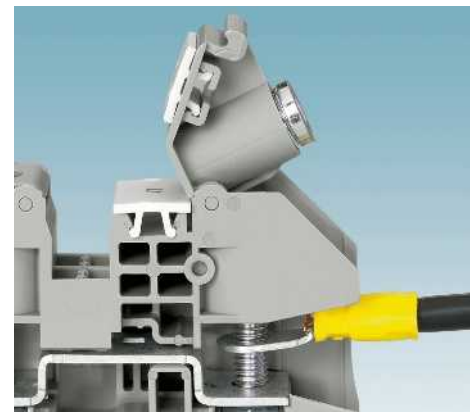
An important characteristic is the hinged cover which can be swung up and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

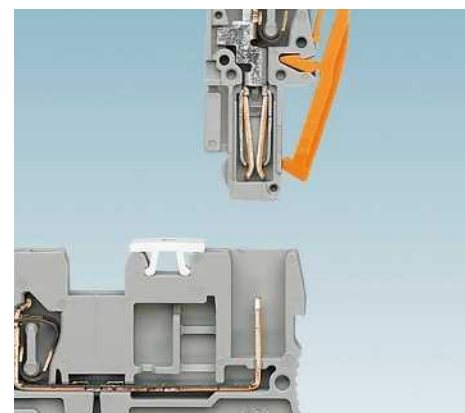
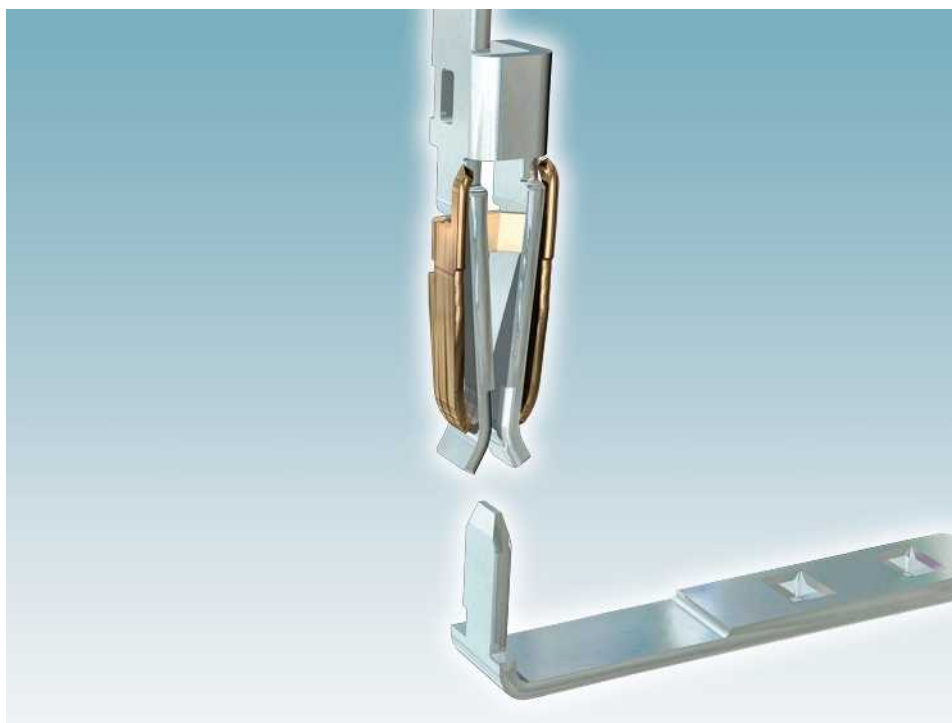
All ring cable lugs which comply with DIN 46234, DIN 46235 or DIN 46237 can be connected.

A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All kinds of conductors up to 240 mm<sup>2</sup> can be wired securely and with long-term stability.



## System features - plug-in connection



### Material properties

All metal parts of the COMBI connectors are made from corrosion-free materials. The distinction between the electrical and mechanical functions is a particular advantage. The conductive metals consist of high-grade copper alloys. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating. The high current carrying capacity of the contact is achieved by an integrated covering spring made of chromium-nickel spring steel.

The insulating housing of the COMBI connectors is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 can be used with operating temperatures up to 130°C and is certified for inflammability class V0 according to UL 94.

### Connection principle

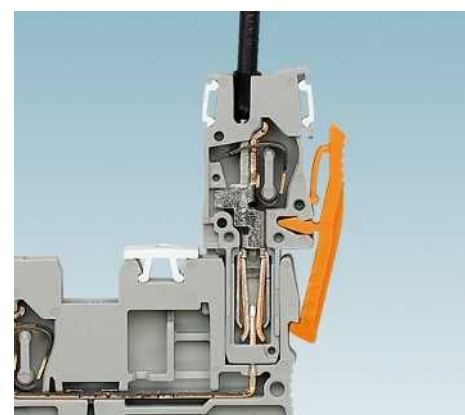
COMBI plug-in connections are designed for the most stringent universal demands in terms of plug-in capability. Here the nominal current of the connected conductor can be carried through the plug-in contact.

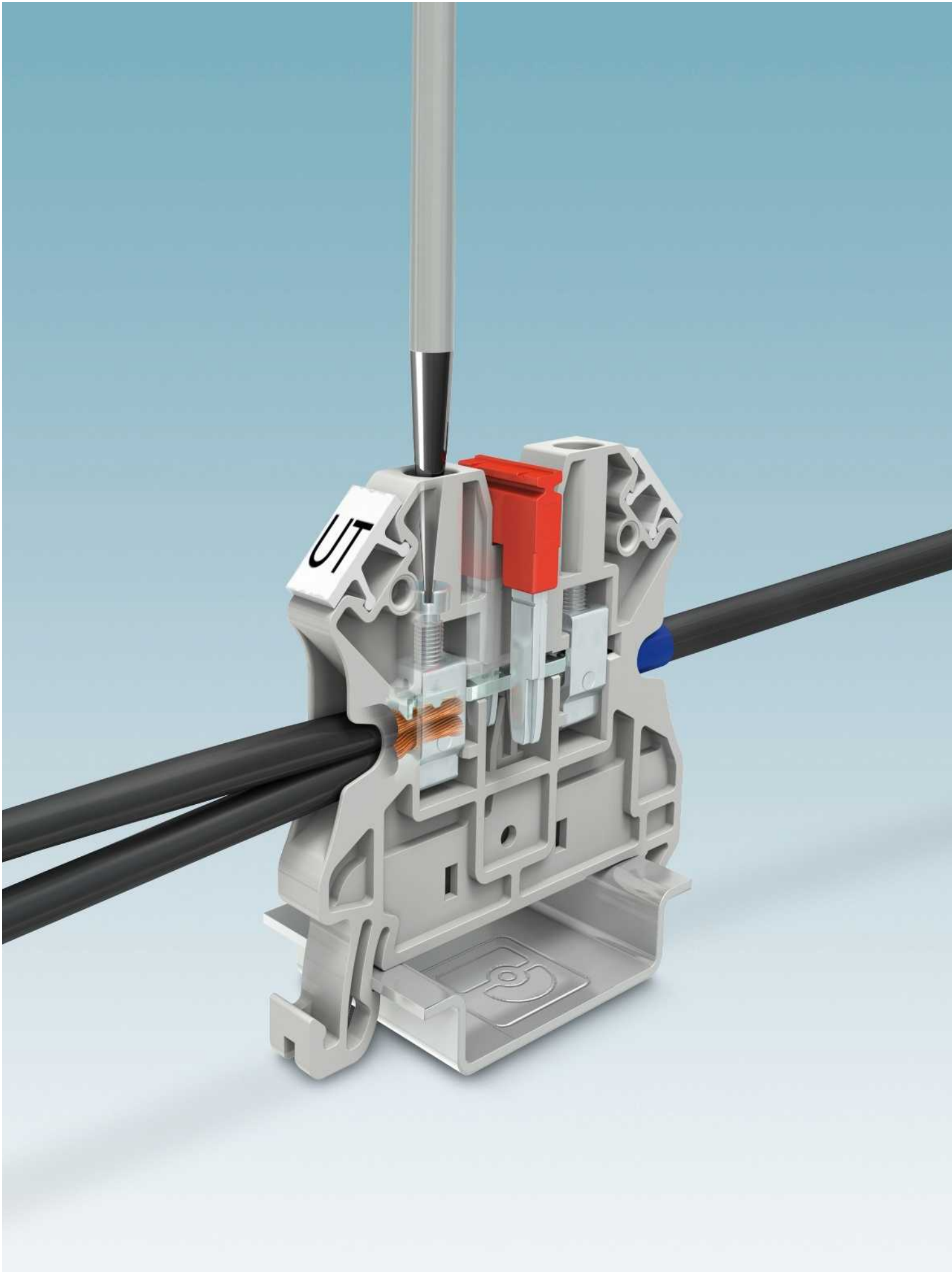
The uniform plug-in zone is an important characteristic. Connectors and basic terminal blocks with four connection technologies can be freely combined with each other, thanks to the uniform plug-in zone.

The modular structure also enables individual self-assembly of the plugs and the couplings.

All kinds of copper conductors can be connected without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

COMBI connectors with all connection technologies offer a large insertion space, i.e., conductors with ferrules and insulating collars and with a nominal cross section can also be wired.







# UT... screw connection terminal blocks

The UT... screw connection terminal blocks from the CLIPLINE complete system satisfy the most stringent requirements and cover a wide area of application. They impress with their maintenance-free conductor connection and offer maximum flexibility with their multi-conductor connection. You can connect conductors with a nominal cross section either with or without ferrules. It is not necessary to tighten the terminal block screws, since they are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact. Very large conductor cross sections up to 240 mm<sup>2</sup> can also be wired gas-tight and with long-term stability thanks to the high contact forces.

## Product range overview

### 2.5 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	31
Disconnect and knife disconnect terminal blocks	33
Diode and LED terminal blocks	35
Installation terminal blocks	36
Mini feed-through terminal blocks and ground terminals	39

### 4 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	41
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape	43
Disconnect and knife disconnect terminal blocks	45
Test disconnect terminal blocks	49
Diode terminal blocks	50
Installation terminal blocks	51
Mini feed-through terminal blocks and ground terminals	51

### 6 mm<sup>2</sup>

Feed-through terminal blocks and ground terminals	53
Fuse terminal blocks	53
Disconnect and knife disconnect terminal blocks	54
Test disconnect terminal blocks	56
Installation terminal blocks	58

### 10 mm<sup>2</sup>

Feed-through terminal blocks and ground terminals	61
Installation terminal blocks	61

### 16 mm<sup>2</sup>

Feed-through terminal blocks and ground terminals	63
Installation terminal blocks	63

### 35 mm<sup>2</sup>

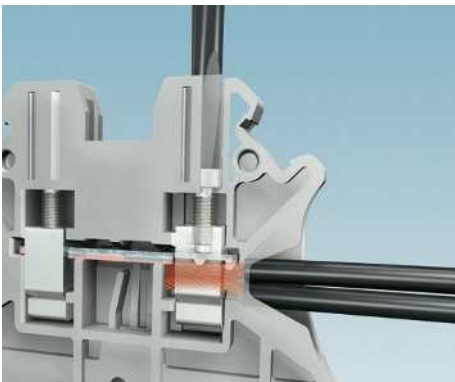
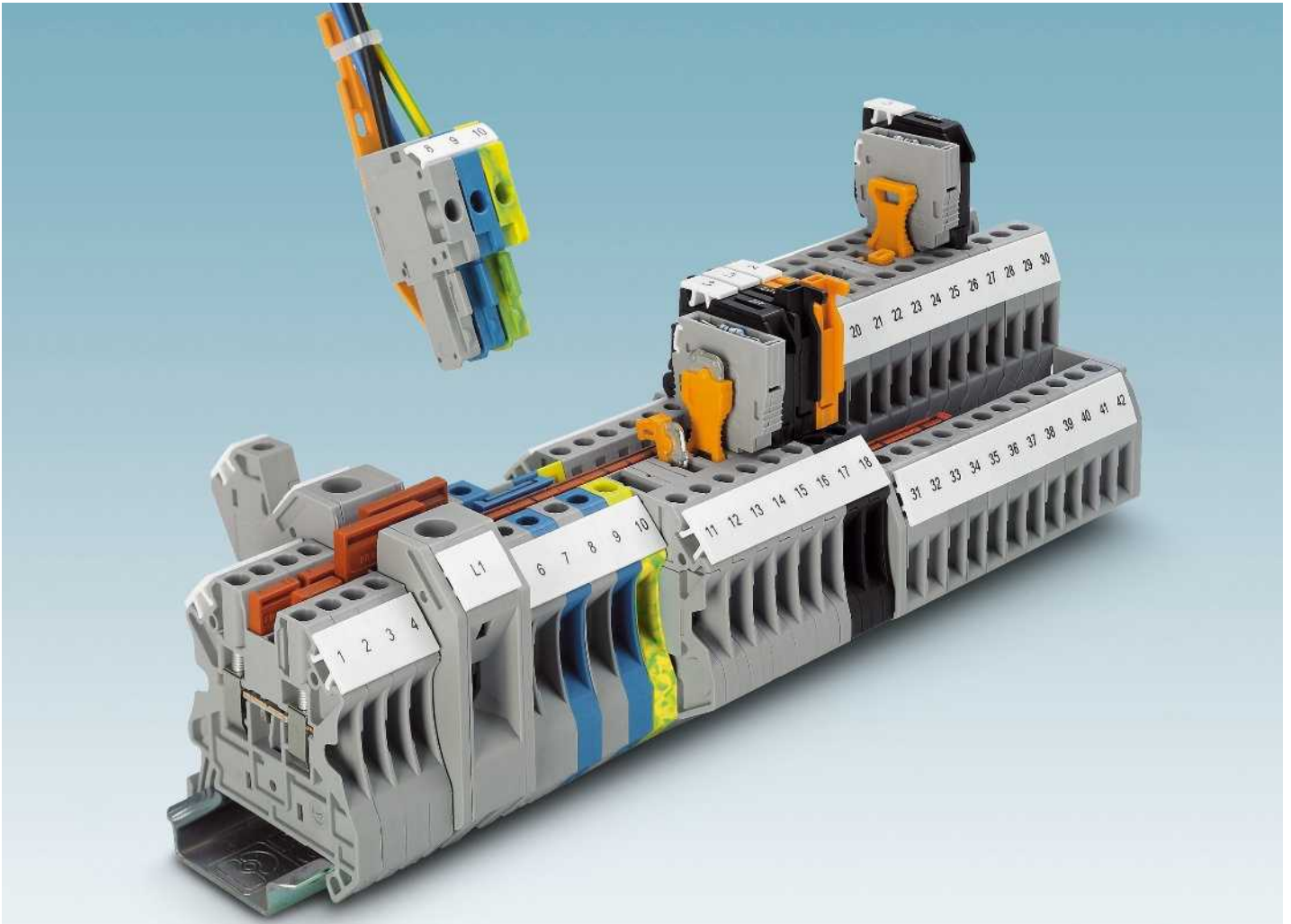
Feed-through terminal blocks and ground terminals	65
Installation terminal blocks	65

### 50 mm<sup>2</sup> - 240 mm<sup>2</sup>

High-current terminal blocks	67
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# Terminal blocks - CLIPLINE complete

## UT... screw connection terminal blocks



### Universal and zero-maintenance

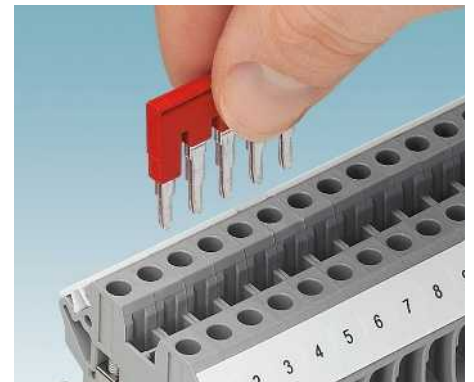
The screw connection is characterized by three main features.

- Global standard
- Multiple conductor connection
- Zero maintenance thanks to Reakdyn principle.



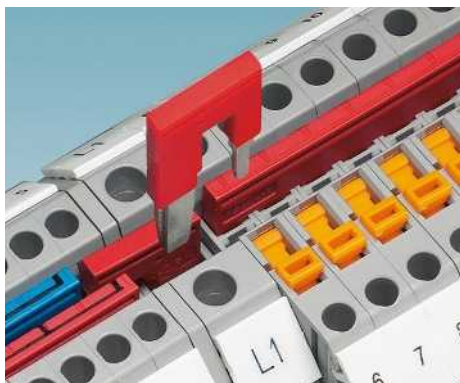
### Snap-on PE foot

Ground terminals of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

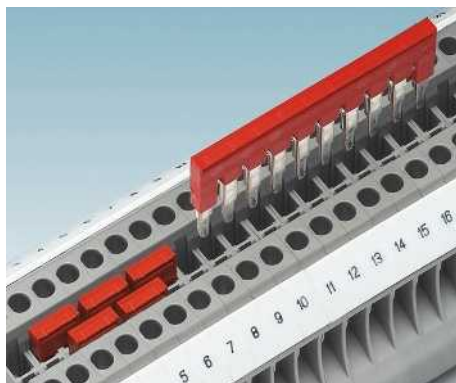


### Flexible jumper system

The potential distribution can be implemented at speed with the standardized jumpers. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



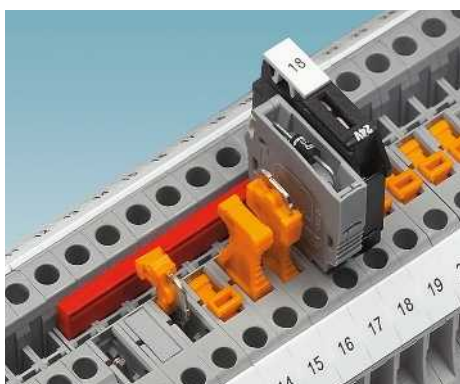
The reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., a UT 10 terminal block to a UT 2,5. Power blocks can be created quickly using the reducing bridge.



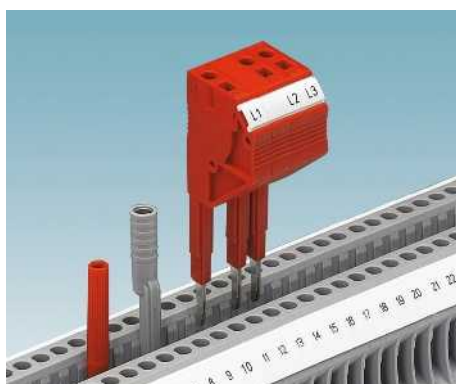
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



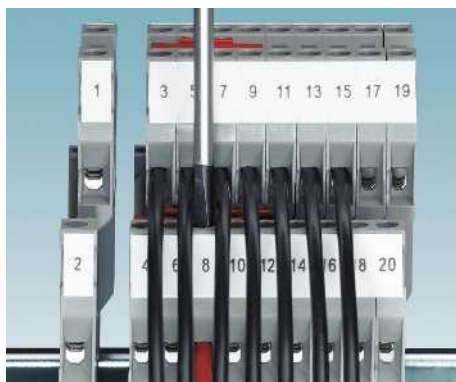
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



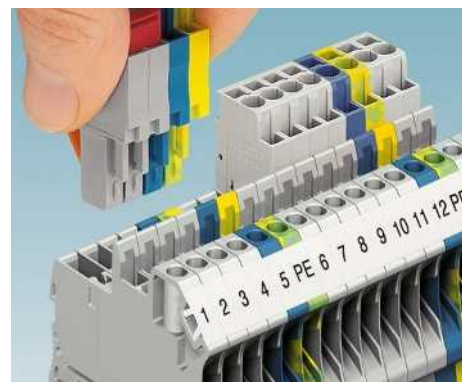
Large-surface and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UT... series can be marked separately.



Disconnect terminal blocks and feed-through terminal blocks UT 4-MTD are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.



If fully wired, the level offset of the double-level terminal blocks allows the lower connection level to be accessed in full and provides a perfect view of the lower labeling markers and conductor entry funnel.

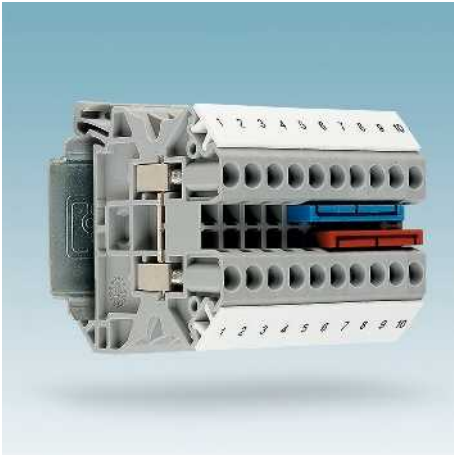


UT-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is touch proof and offers plugs for self-assembly with extensive accessories. See "COMBI" section, page 225.

## Terminal blocks - CLIPLINE complete

### UT... screw connection terminal blocks

#### UT... feed-through, multi-conductor, and multi-level terminal blocks



- Multi-level terminal blocks with PE pick-off and function level
- Signal processing and protection in a confined space, thanks to safety/disconnect lever and universal function zone
- Double bridge shaft enables individual potential distribution and supply
- Suitable for process technology, thanks to Ex nA approval
- Feed-through terminal blocks of the same shape available

**i** Your web code: **#0056**

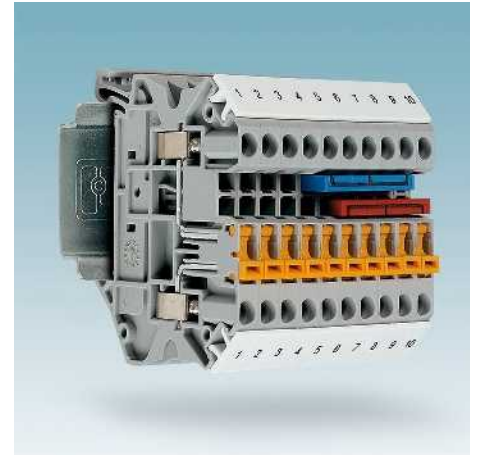
#### UT... multifunctional terminal blocks



- A wide range of products thanks to versions with PE function or LED display
- Optimum overview of signal connections thanks to a variety of marking options
- Modular expansion up to a maximum of 50 positions, as power terminals are the same shape
- Energy supplied or enhanced by power terminals

**i** Your web code: **#0075**

#### UT... function terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Clear identification of the disconnect point thanks to color highlighting
- Individual assembly with disconnect element, fuse plug, component connector, and feed-through connector

**i** Your web code: **#0057**

**UTME... test disconnect terminal blocks**

- Easy and safe operation thanks to clear indication of switching states
- Maximum functionality – up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Modular design of transformer circuits thanks to plug-in test disconnect terminal blocks
- Reliable protection of connected current transformers thanks to connector versions with an integrated, leading short-circuit contact

**i** Your web code: **#0058**

**MUT... miniature terminal blocks**

- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Clear, as all terminal points are marked
- Easy potential distribution thanks to standardized jumpers
- Ideal for installation in small control boxes or terminal boxes, e.g., for motor connection

**i** Your web code: **#0059**

**UTI... installation terminal blocks**

- Space saving thanks to compact three-level distributor terminal blocks of the same shape for single- and multi-phase circuits
- Complete flexibility – all installation terminal blocks with different connection technologies can be combined
- Dielectric test without disconnecting the neutral conductor – thanks to the disconnect slide
- Protection against unintentional actuation since the disconnect slide can be snapped into the limit positions
- Easy terminal block mounting without removing the neutral busbar

**i** Your web code: **#0060**

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### General technical data for 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

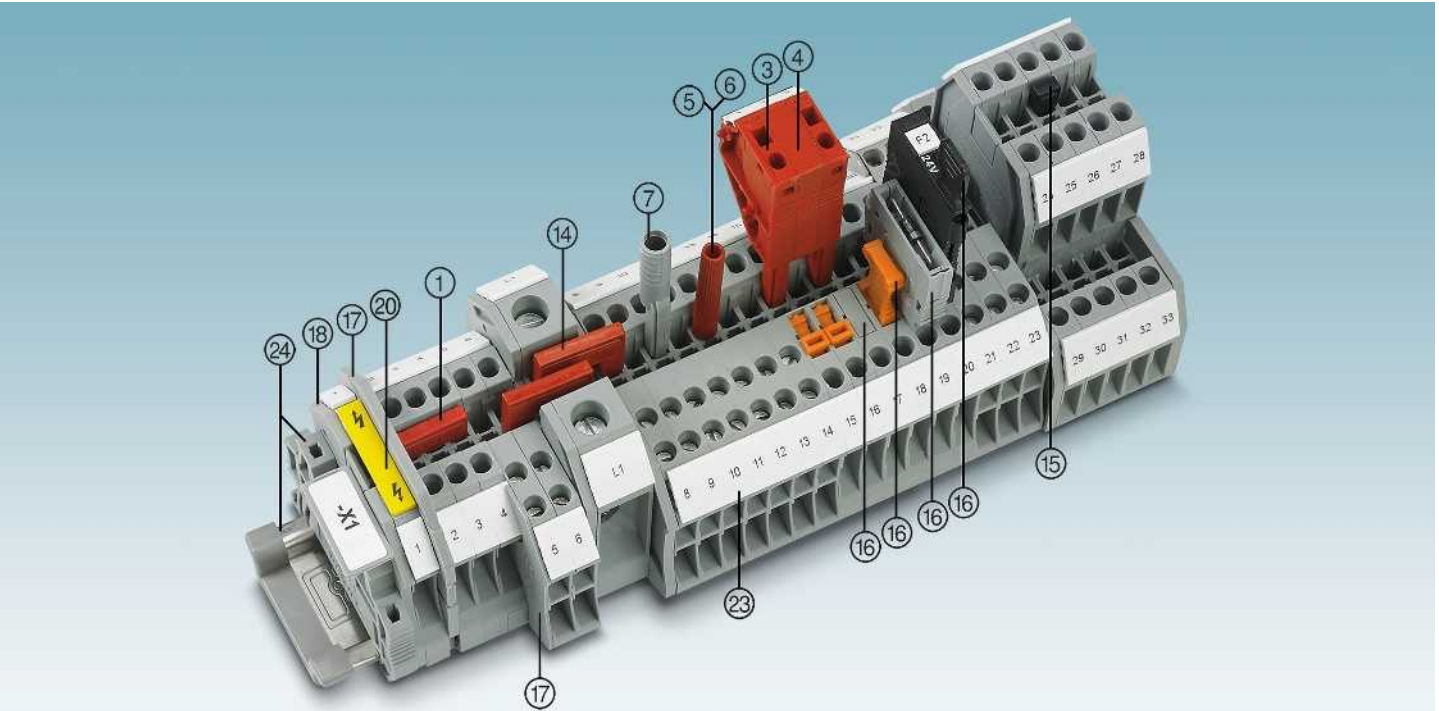


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> UT... screw connection terminal blocks



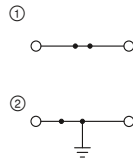
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SF-SL 0,6X3,5-100 S-VDE	1212587	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Vertical potential bridge	For FBS-PV ..., see page 341.
⑯ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑳ Warning labels	For WS ..., see page 353.
㉑ Lateral groove marking	UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.
㉒ DIN rails and end brackets	See Catalog 5.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 For information on installation and using accessories for Ex applications, see page 602.



#### 32 A, feed-through terminal block and ground terminal



Ex: EAC Ex KEMA 04ATEX2048 U / IECEx KEM 06.0027U

##### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	47.7	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	1000	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	690	
Nominal current / cross section [A] / [mm <sup>2</sup> ]		24 / 2.5	20 / -	22 / 2.5

##### Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5	① 3044076	50
UT 2,5 BU	① 3044089	50
UT 2,5-PE	② 3044092	50

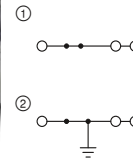
##### Accessories<sup>1)</sup>

D-UT 2,5/10	Order No.	Pcs. / Pkt.
	3047028	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
	gray



#### 30 A, feed-through terminal block and ground terminal, 3 connections



Ex: EAC Ex KEMA 06ATEX0017 U / IECEx KEM 06.0013U

##### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	57.8	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	150	150	352	
Nominal current / cross section [A] / [mm <sup>2</sup> ]		24 / 2.5	20 / -	21 / 2.5

##### Ordering data

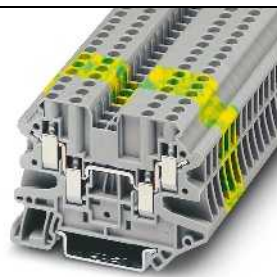
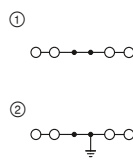
Type	Order No.	Pcs. / Pkt.
UT 2,5-TWIN	① 3044513	50
UT 2,5-TWIN BU	① 3044526	50
UT 2,5-TWIN-PE	② 3044539	50

##### Accessories<sup>1)</sup>

D-UT 2,5/4-TWIN	Order No.	Pcs. / Pkt.
	3047141	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 For information on installation and using accessories for Ex applications, see page 602.



#### 30 A, feed-through terminal block and ground terminal, 4 connections



Ex: EAC Ex KEMA 06ATEX0017 U / IECEx KEM 06.0013U

##### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	65.4	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	150	150	352	
Nominal current / cross section [A] / [mm <sup>2</sup> ]		24 / 2.5	20 / -	21 / 2.5

##### Ordering data

Type	Order No.	Pcs. / Pkt.
UT 2,5-QUATTRO	① 3044542	50
UT 2,5-QUATTRO BU	① 3044555	50
UT 2,5-QUATTRO-PE	② 3044568	50

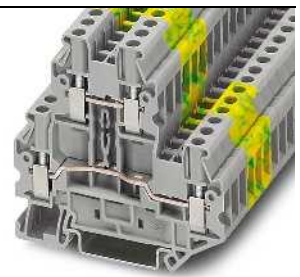
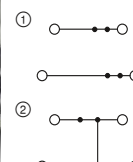
##### Accessories<sup>1)</sup>

D-UT 2,5/4-QUATTRO	Order No.	Pcs. / Pkt.
	3047170	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray blue
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
	gray
Spacer plate	gray



#### 28 A, double-level terminal block and ground terminal



Ex: EAC Ex KEMA 06ATEX0017 U / IECEx KEM 06.0013U

##### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	69.9	65 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	352	
Nominal current / cross section [A] / [mm <sup>2</sup> ]		24 / 2.5	20 / -	20 / 2.5

##### Ordering data

Type	Order No.	Pcs. / Pkt.
UTTB 2,5	① 3044636	50
UTTB 2,5 BU	① 3044649	50
UTTB 2,5-PV	② 3044652	50
UTTB 2,5-PE	③ 3044665	50

##### Accessories<sup>1)</sup>

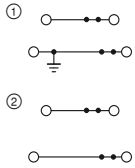
D-UTTB 2,5/4	Order No.	Pcs. / Pkt.
	3047293	50
DP-UTTB 2,5/4	Order No.	Pcs. / Pkt.
	3047303	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 30.



28 A, double-level terminal block with PE foot



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	69.9	65 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 2.5 20 / - 20 / -				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTT <sub>B</sub> 2,5-PE/L	① 3044678	50	
UTT <sub>B</sub> 2,5-PE/N	① 3046731	50	
UTT <sub>B</sub> 2,5-L/N	② 3044681	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTT <sub>B</sub> 2,5/4	3047293	50	
DP-UTT <sub>B</sub> 2,5/4	3047303	50	

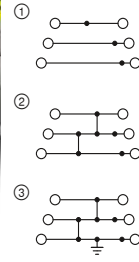
Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>Terminal block</b>	gray
upper level blue	gray
upper level blue	gray
With potential distribution	gray
<b>Ground terminal</b>	green/yellow

<b>Cover, width 2.2 mm</b>	gray
<b>Spacer plate</b>	gray



24 A, three-level terminal block and ground terminal



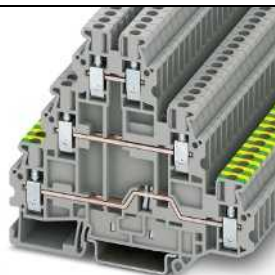
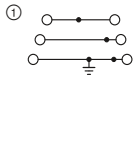
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	90	77.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	26-12	
19 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
19 / 2.5 20 / - 20 / -				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5-3L	① 3214259	50	
UT 2,5-3PV	② 3214262	50	
UT 2,5-3PE	③ 3214275	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UT 2,5-3L	3214314	50	

### Multi-level terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.



24 A, three-level terminal block with PE foot



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	90	77.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	26-12	
19 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
19 / 2.5 20 / - 20 / -				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5-PE/L/L	① 3214301	50	
UT 2,5-PE/L/N	① 3214291	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UT 2,5-3L	3214314	50	

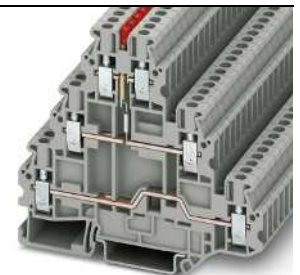
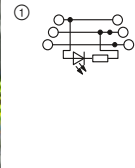
Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>Terminal block</b>	gray
upper level blue	gray
<b>Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA</b>	gray

<b>Cover, width 2.2 mm</b>	gray
----------------------------	------



24 A, three-level terminal block with LED display



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	90	77.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	26-12	
19 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	24	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
19 / 2.5 20 / - 20 / -				

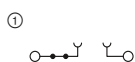
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5-3L-LA24RD/O-M	① 3214288	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UT 2,5-3L	3214314	50	

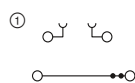


**Disconnect and knife disconnect terminal blocks**

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, double-level terminal block with disconnect zone



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	57.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>2)</sup>	400 <sup>2)</sup>	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBRS)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 <sup>2)</sup> / 2.5	20 / -	16 / -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5-TG	3046388	50	
UT 2,5-TG BU	3046579	50	
UT 2,5-TG-P/P	3046391	50	
UT 2,5-TG-P/P BU	3046582	50	

Accessories <sup>1)</sup>		
D-UT 2,5/4-TWIN	3047141	50



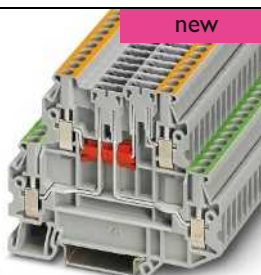
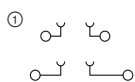
Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	69.9	65 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20	400	0.14 - 4	26-12
24 (FBS) / 17.5 (FBRS)			
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	16
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>2)</sup> / 2.5 (disconnect level)	

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTTB 2,5-TG-P/P	3044644	50

Accessories <sup>1)</sup>		
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

**Disconnect and knife disconnect terminal blocks**

**Notes:**  
 1) For additional accessories and technical data, see page 30.



16 A, double-level terminal block with two disconnect zones



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	80.1	58.1 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
16	400	0.14 - 4	26-12
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 2.5	16

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTT 2,5-2TG-P/P	3044674	50

Accessories <sup>1)</sup>		
D-UTT 2,5/4	3044676	50
DP-UTT 2,5/4	3044677	50

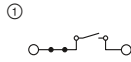
Description	Color
Terminal block	gray
Cover, width 2.2 mm	gray
Spacer plate, compensates for level offsets, width 2.5 mm	gray

# Terminal blocks - CLIPLINE complete

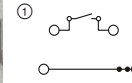
## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.



20 A, knife disconnect terminal block



24 A, double-level terminal block with disconnect knife



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	57.8	49.1 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20	400	0.14 - 4	26-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
20 / 2.5			
-			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5-MT	3046362	50	
UT 2,5-MT BU	3046553	50	
UT 2,5-MT-P/P	3046375	50	
UT 2,5-MT P/P BU	3046566	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UT 2,5/4-TWIN	3047141	50



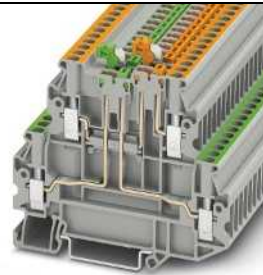
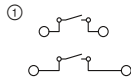
Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	69.9	65 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400	0.14 - 4	26-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
22 / 2.5			
16 / 2.5 (disconnect level)			

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTTB 2,5-MT-P/P	3044640	50
UTTB 2,5-MT-P/P BU	3044641	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.



16 A, double-level terminal block with a disconnect knife per level, test socket screw



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	80.1	65 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
16	400	0.14 - 4	26-12
16 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
16 / 2.5			
-			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTT 2,5-2MT-P/P	3044670	50	
UTT 2,5-2MT-P/P BU	3044671	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UTT 2,5/4	3044676	50
DP-UTT 2,5/4	3044677	50

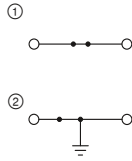
Description	Color
Knife disconnect terminal block	gray
	blue
Cover, width 2.2 mm	gray
Spacer plate, compensates for level offsets, width 2.5 mm	gray

## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### Diode and LED terminal blocks

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 30.



**32 A, feed-through terminal block and ground terminal, same shape**



**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height
[mm]	5.2	57.8	47.5 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	32	800	0.14 - 4 26-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	800	600	600 -
Nominal current / cross section	24 / 2.5	20 / -	20 / -

**Ordering data**

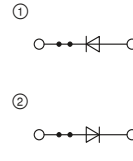
Type	Order No.	Pcs. / Pkt.
UT 2,5-MTD	① 3064085	50
UT 2,5-MTD BU	① 3064108	50
UT 2,5-MTD P/P	① 3064098	50
UT 2,5-MTD P/P BU	① 3064111	50
UT 2,5-MTD-PE	② 3064124	50

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-UT 2,5/4-TWIN	3047141	50

Description	Color
<b>Terminal block</b>	gray
	blue
With test socket screws	gray
	blue
<b>Ground terminal Terminal block</b> , for conducting direction see circuit diagram	green-yellow
	gray
	gray

Cover, width 2.2 mm	gray
---------------------	------



**0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)**



**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height
[mm]	5.2	57.8	47.5 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	0.5	800	0.14 - 4 26-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	800	600	600 -
Nominal current / cross section	0.5 / 1	0.5 / -	0.5 / -

**Ordering data**

Type	Order No.	Pcs. / Pkt.
UT 2,5-MTD-DIO/R-L	① 3064140	50
UT 2,5-MTD-DIO/L-R	② 3064137	50

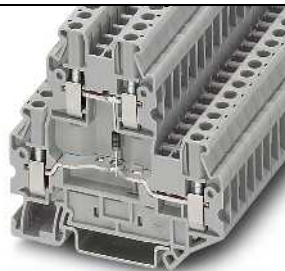
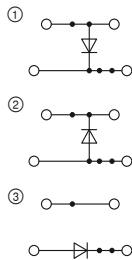
**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-UT 2,5/4-TWIN	3047141	50

### Diode and LED terminal blocks

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 30.



**28 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)**



**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height
[mm]	5.2	69.9	65 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	28	500	0.14 - 4 26-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	500	600	300 -
Nominal current / cross section	24 / 2.5	20 / -	1 / -

**Ordering data**

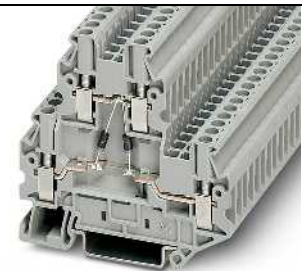
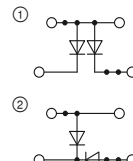
Type	Order No.	Pcs. / Pkt.
UTTB 2,5-DIO/O-U	① 3046650	50
UTTB 2,5-DIO/U-O	② 3046663	50
UTTB 2,5-DIO/UL-UR	③ 3046728	50

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

Description	Color
<b>Terminal block</b> , for conducting direction see circuit diagram	gray
	gray
	gray
	gray
	gray

Cover, width 2.2 mm	gray
Spacer plate	gray



**28 A, double-level terminal block with two 1N 4007 diodes (1300 V/0.5 A)**



**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height
[mm]	5.2	69.9	65 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	28	500	0.14 - 4 26-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	500	600	300 -
Nominal current / cross section	24 / 2.5	20 / -	1 / -

**Ordering data**

Type	Order No.	Pcs. / Pkt.
UTTB 2,5-2DIO/O-UL/O-UR	① 3046689	50
UTTB 2,5-2DIO/O-UL/UR-UL	② 3046676	50

**Accessories<sup>1)</sup>**

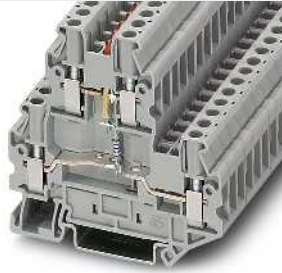
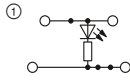
Type	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### Diode and LED terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 2) The voltage is determined by the light indicator version selected.



28 A, double-level terminal block with LED display



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	69.9	65 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	24 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
24 <sup>2)</sup>	600	24	-	
24 / 2.5				

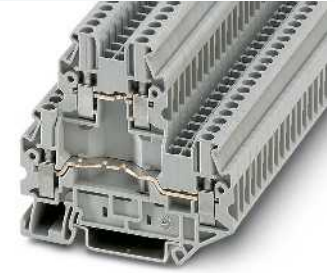
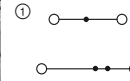
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 2,5-LA 24 RD	3046692	50	
UTTB 2,5-LA 60 RD	3046702	50	
UTTB 2,5-LA 230	3046715	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTTB 2,5/4	3047293	50	
DP-UTTB 2,5/4	3047303	50	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray
for 30 - 60 V DC, 0.8 - 1.8 mA	gray
for 110 - 250 V AC/DC, 0.1 - 0.5 mA	gray
Terminal block, component can be soldered in	gray

Cover, width 2.2 mm	gray
Spacer plate	gray



28 A, double-level terminal block for soldering in components



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	69.9	65 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
24 / 2.5				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 2,5-BE	3046744	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTTB 2,5/4	3047293	50	
DP-UTTB 2,5/4	3047303	50	

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 2) 3-pos. termination block.

**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



24 A, neutral disconnect terminal block



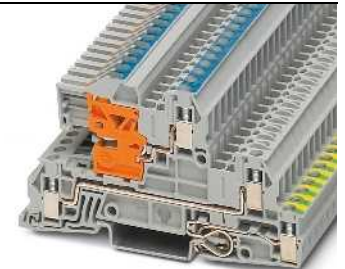
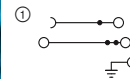
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	55	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	250	0.14 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	-	-	-	
24 / 2.5				
Rated cross section		Ferrule		
Cross section range		without/with plastic sleeve		
26 - 12	-	-	-	
1 conductor	[mm <sup>2</sup> ]	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTN 2,5	3245011	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTN 2,5/10	3245079	50	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]

Description	Color
Terminal block	blue
	gray



4 (4) mm<sup>2</sup>, 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	51.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	400	0.2 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	-	-	
24 / 4				
4				
24 - 12				
Rated cross section		Ferrule		
Cross section range		without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-	

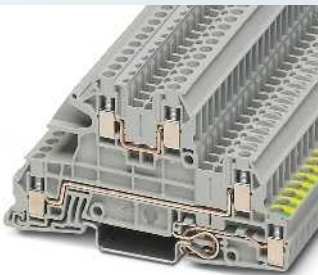
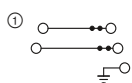
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTI 2,5-PE/L/NT	3076028	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTI/3	3076036	50	

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 2) 3-pos. termination block.

**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



4 (4) mm<sup>2</sup>, 30 A, three-level terminal block,  
2 x L phase conductor, 1 x PE

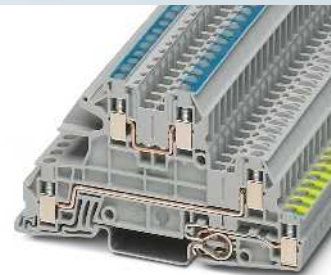
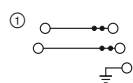


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	51.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	400	0.2 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	20	-	-	
Rated cross section [mm <sup>2</sup> ]				
4	-	-	-	
Cross section range AWG				
24 - 12	-	-	-	
Connection capacity		Ferrule without/with plastic sleeve		
solid	stranded	without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTI 2,5-PE/L/L	3076029	50	

Accessories <sup>1)</sup>			
D-UTI/3	Order No.	Pcs. / Pkt.	
D-UTI/3	3076036	50	

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
Description	Color
Terminal block	gray
Cover, width 2.2 mm	gray



4 (4) mm<sup>2</sup>, 30 A, three-level terminal block,  
1 x L phase conductor, 1 x N conductor, 1 x PE



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	51.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	400	0.2 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	20	-	-	
Rated cross section [mm <sup>2</sup> ]				
4	-	-	-	
Cross section range AWG				
24 - 12	-	-	-	
Connection capacity		Ferrule without/with plastic sleeve		
solid	stranded	without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-	

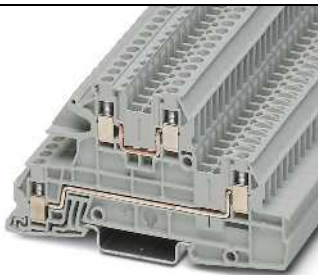
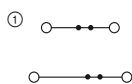
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTI 2,5-PE/L/N	3076030	50	

Accessories <sup>1)</sup>			
D-UTI/3	Order No.	Pcs. / Pkt.	
D-UTI/3	3076036	50	

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 30.  
 2) 3-pos. termination block.

**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



4 (4) mm<sup>2</sup>, 30 A, three-level terminal block,  
2 x L phase conductor

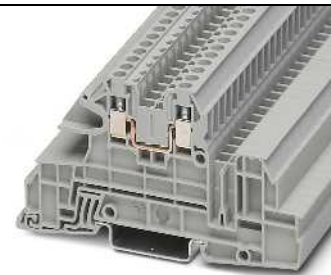
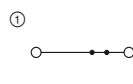


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	51.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	400	0.2 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	20 / -	20 / -	-	
Rated cross section [mm <sup>2</sup> ]				
4	-	-	-	
Cross section range AWG				
24 - 12	-	-	-	
Connection capacity		Ferrule without/with plastic sleeve		
solid	stranded	without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTI 2,5-L/L	3076031	50	
UTI 2,5-L/N	3076035	50	

Accessories <sup>1)</sup>			
D-UTI/3	Order No.	Pcs. / Pkt.	
D-UTI/3	3076036	50	

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
Description	Color
Terminal block	gray
upper level blue	gray
Cover, width 2.2 mm	gray



4 (4) mm<sup>2</sup>, 30 A, three-level terminal block,  
1 x L phase conductor



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	51.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	400	0.2 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	20 / -	20	-	
Rated cross section [mm <sup>2</sup> ]				
4	-	-	-	
Cross section range AWG				
24 - 12	-	-	-	
Connection capacity		Ferrule without/with plastic sleeve		
solid	stranded	without/with plastic sleeve		
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTI 2,5-L	3076034	50	

Accessories <sup>1)</sup>			
D-UTI/3	Order No.	Pcs. / Pkt.	
D-UTI/3	3076036	50	

# Terminal blocks - CLIPLINE complete

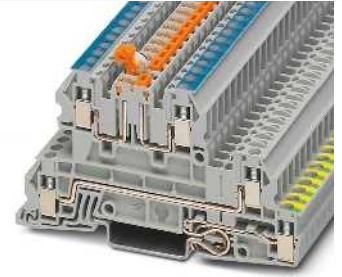
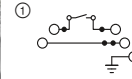
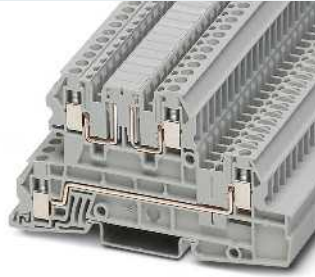
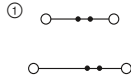
## 2.5 mm<sup>2</sup> UT... screw connection terminal blocks

### Installation terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 30.

2) 3-pos. termination block.



**4 (4) mm<sup>2</sup>, 30 A, three-level terminal block,  
2 x L phase conductor**

**4 (4) mm<sup>2</sup>, 24 A, three-level terminal block,  
1 x L phase conductor, 1 x N conductor can be  
disconnected, 1 x PE**



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height	
	5.2	93.5	51.5 (NS 35/7,5)	
Max. electrical data				
	[mm]			
Max. bridge current				
	[A]			
Rated data				
Rated voltage	[V]			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
Rated cross section	[mm <sup>2</sup> ]			
Cross section range	AWG			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
Connection capacity				
1 conductor	[mm <sup>2</sup> ]			
2 conductors (of the same type)	[mm <sup>2</sup> ]			

#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height	
	5.2	93.5	51.5 (NS 35/7,5)	
Max. electrical data				
	[mm]			
Max. bridge current				
	[A]			
Rated data				
Rated voltage	[V]			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
Rated cross section	[mm <sup>2</sup> ]			
Cross section range	AWG			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
Connection capacity				
1 conductor	[mm <sup>2</sup> ]			
2 conductors (of the same type)	[mm <sup>2</sup> ]			

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UTI 2,5-L/LB	3076033	50

#### Accessories<sup>1)</sup>

Cover, width 2.2 mm	gray	D-UTI/3	3076036	50
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#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UTI 2,5-PE/L/NTB	3076032	50

#### Accessories<sup>1)</sup>

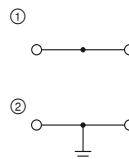
Cover, width 2.2 mm	gray	D-UTI/3	3076036	50
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### Mini feed-through terminal blocks and ground terminals

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 30.

For information on installation and using accessories for Ex applications, see page 602.



### 32 A, feed-through terminal block and ground terminal



Ex: SEV13ATEX0178U / IECEx SEV13.0012U

**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height	
	5.2	29.9	34 (NS 15)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	32	500	0.2 - 4	24-12
Rated data	24 (FBS) / 17.5 (FBSR)			
Max. bridge current	[A]			
Rated voltage	IEC	UL / CUL	CSA	Ex
Nominal current / cross section	500	300	600	352
Cross section range	24 / 2.5	20 / -	20 / -	20.5 / 4
Connection capacity	24 - 12	-	-	-
	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-

**Ordering data**

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	MUT 2,5	① 3248030	50
	blue	MUT 2,5 BU	① 3248031	50
Ground terminal	green-yellow	MUT 2,5-PE	② 3248032	50

**Accessories<sup>1)</sup>**

Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-MUT 2,5/4 3248033	50

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> UT... screw connection terminal blocks

### General technical data for 4 mm<sup>2</sup> UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm <sup>2</sup> ]	4			
Cross section range	AWG	26 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

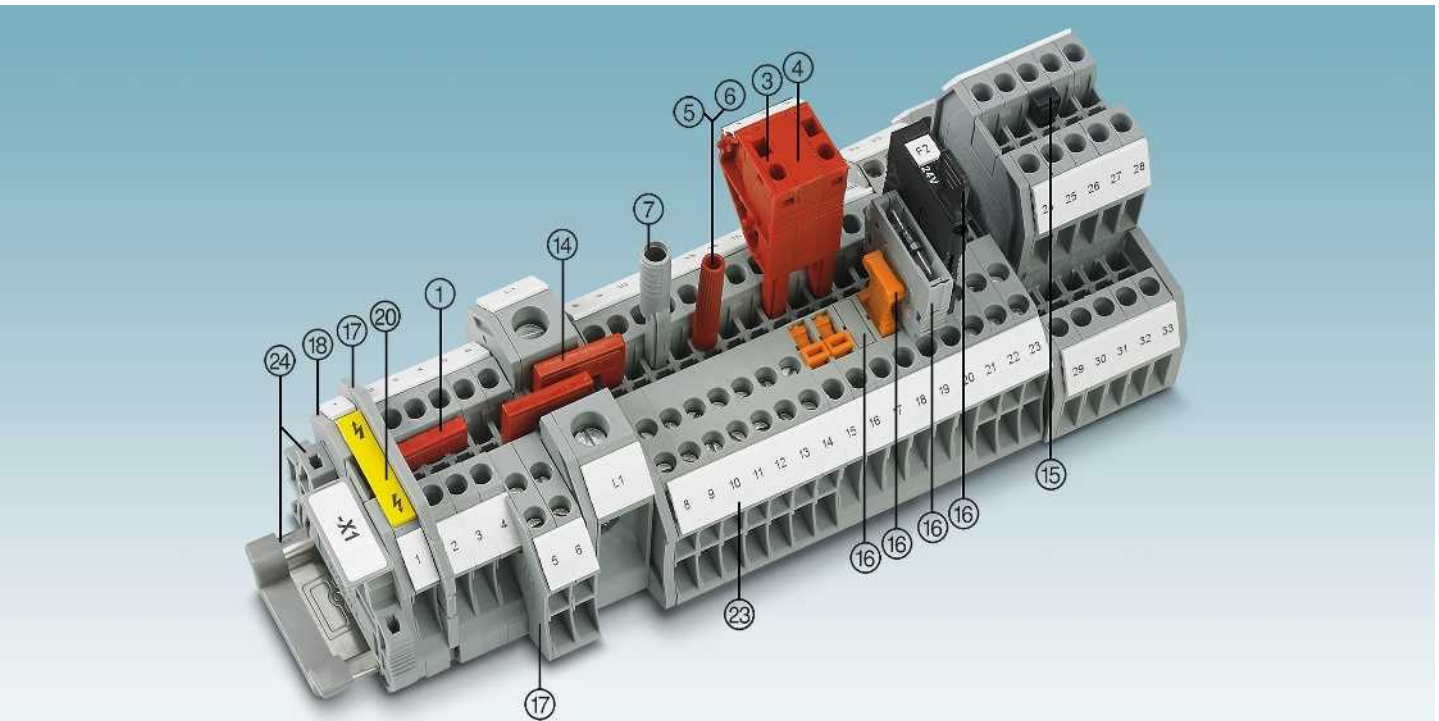


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 4 mm<sup>2</sup> UT... screw connection terminal blocks



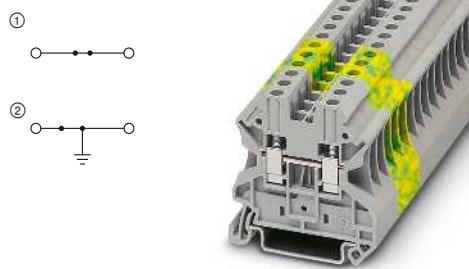
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SF-SL 0,6X3,5-100 S-VDE	1212587	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Vertical potential bridge	For FBS-PV ..., see page 341.
⑯ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑳ Warning labels	For WS ..., see page 353.
㉑ Lateral groove marking	UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.
㉒ DIN rails and end brackets	See Catalog 5.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.



### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 40.  
 For information on installation and using accessories for Ex applications, see page 602.



#### 41 A, feed-through terminal block and ground terminal

Ex: EAC Ex   
 KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	47.7	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	1000	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	600	690
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30 / 4

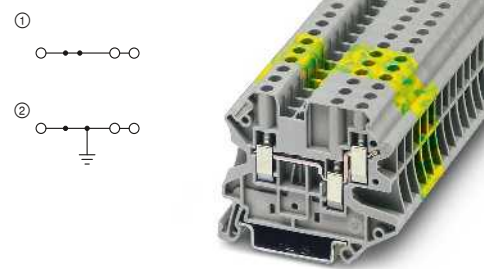
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4	① 3044102	50	
UT 4 BU	① 3044115	50	
UT 4-PE	② 3044128	50	

Accessories <sup>1)</sup>		
D-UT 2,5/10	3047028	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



#### 41 A, feed-through terminal block and ground terminal, 3 connections

Ex: EAC Ex   
 KEMA 06ATEX0017 U / IECEx KEM 06.0013U

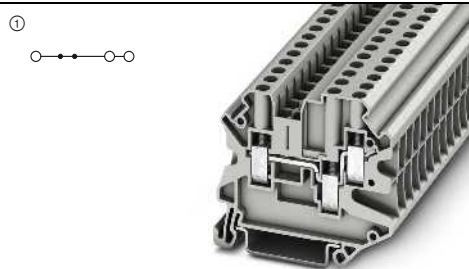
Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	57.8	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	500	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	150	150	352
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30 / 4

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-TWIN	① 3044364	50	
UT 4-TWIN BU	① 3044500	50	
UT 4-TWIN-PE	② 3044380	50	

Accessories <sup>1)</sup>		
D-UT 2,5/4-TWIN	3047141	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 40.  
 For information on installation and using accessories for Ex applications, see page 602.



#### 39 A, 1000 V, feed-through terminal block, 3 connections

Ex: EAC Ex   
 SEV13ATEX0133U / IECEx SEV13.0004U

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	57.8	50 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
39	1000	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000	600	600	550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	27 / 4

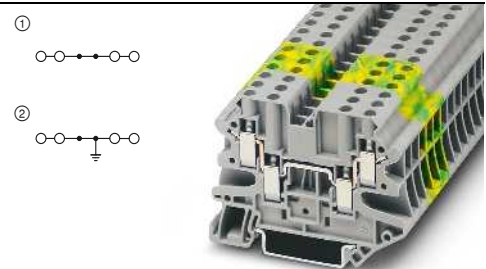
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-TWIN HV	① 3000608	50	

Accessories <sup>1)</sup>		
D-UT 4-TWIN HV	3000710	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



#### 39 A, feed-through terminal block and ground terminal, 4 connections

Ex: EAC Ex   
 KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	65.4	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
39	500	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	150	150	352
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	29 / 4

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-QUATTRO	① 3044571	50	
UT 4-QUATTRO BU	① 3044584	50	
UT 4-QUATTRO-PE	② 3044597	50	

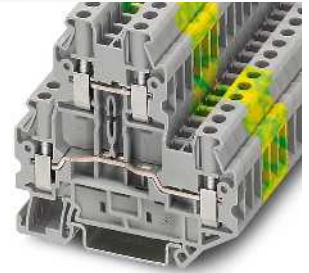
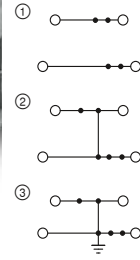
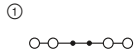
Accessories <sup>1)</sup>		
D-UT 2,5/4-QUATTRO	3047170	50

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> UT... screw connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 40.  
 For information on installation and using accessories for Ex applications, see page 602.



**37 A, 1000 V, feed-through terminal block, 4 connections**



SEV13ATEX0133U / IECEx SEV13.0004U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	65.4	50 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
37	1000	0.14 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	-	-	550	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
32 / 4	-	-	27 / 4	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-QUATTRO HV	① 3048823	50	
UT 4-QUATTRO HV BU	① 3048836	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UT 4-QUATTRO HV	3048852	50	

**36 A, double-level terminal block and ground terminal**



KEMA 06ATEX0017 U / IECEx KEM 06.0013U

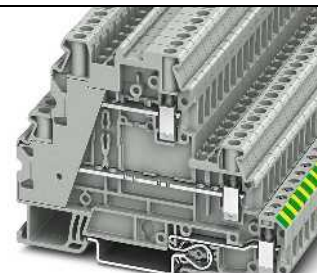
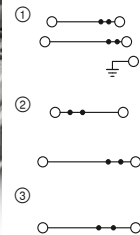
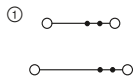
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	69.9	65 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
36	800	0.14 - 6	26-10	
30 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	440	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
30 / 4	30 / -	30 / -	25.5 / 4	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 4	① 3044814	50	
UTTB 4 BU	① 3044791	50	
UTTB 4-PV	② 3044733	50	
UTTB 4-PE	③ 3044759	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTTB 2,5/4	3047293	50	
DP-UTTB 2,5/4	3047303	50	

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 40.



**36 A, 1000 V, double-level terminal block, 2 connections top level**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	75.6	65 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
36	1000	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
30 / 4	30 / -	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 4 HV	① 3000610	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTTB 4 HV	3000709	50	

**36 A, multi-level terminal block with PE foot**



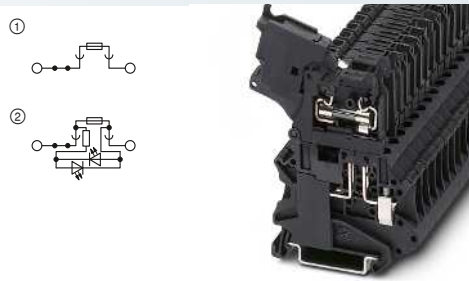
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	92.7	61.7 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
36	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
30 / 4	16	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L/L	① 3214360	50	
UT 4-PE/L/N	① 3214361	50	
UT 4-L/L	② 3214362	50	
UT 4-L	③ 3214363	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	

**Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape**

<b>Notes:</b>
<sup>1)</sup> For additional accessories and technical data, see page 40.
<sup>2)</sup> If the fuse is faulty, the downstream circuit is not off load.
<sup>3)</sup> For max. power dissipation, see page 616.
<sup>4)</sup> The current is determined by the fuse used, the voltage by the light indicator.
For lever marking, please use marking material with a 5.2 mm pitch.

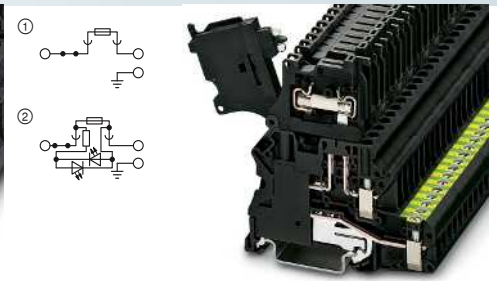


**10 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	57.8	73 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10 <sup>3)</sup>	500 <sup>4)</sup>	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>4)</sup>	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
6.3 / 1      6.3 / -      6.3 / -      -      -				

Ordering data				
Type	Order No.	Pcs. / Pkt.		
UT 4-HESI (5X20)	① 3046032	50		
UT 4-HESILED 24 (5X20)	② 3046090	50		
UT 4-HESILED 24 (5X20) 120KOHM	② 3248005	50		
UT 4-HESILED 60 (5X20)	② 3046126	50		
UT 4-HESILA 250 (5X20)	② 3046100	50		



**6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses, with PE foot**



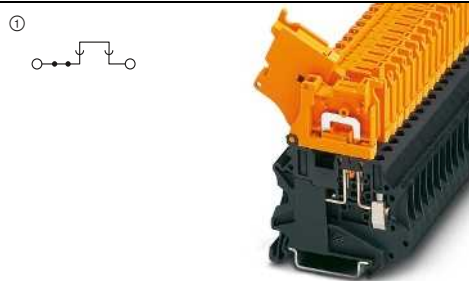
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.8	73 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
6.3 <sup>3)</sup>	500 <sup>4)</sup>	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>4)</sup>	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
6.3 / 1      10      10 / -      -      -				

Ordering data				
Type	Order No.	Pcs. / Pkt.		
UT 4-PE/HESI (5X20)	① 3073995	50		
UT 4-PE/HESI LED 24 (5X20)	② 3070053	50		
UT 4-PE/HESILED 60 (5X20)	② 3070066	50		
UT 4-PE/HESI LA 250 (5X20)	② 3070079	50		

**Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape**

– The lever-type disconnect terminal blocks are the same shape as the respective lever-type fuse terminal blocks

<b>Notes:</b>
<sup>1)</sup> For additional accessories and technical data, see page 40.
For lever marking, please use marking material with a 5.2 mm pitch.

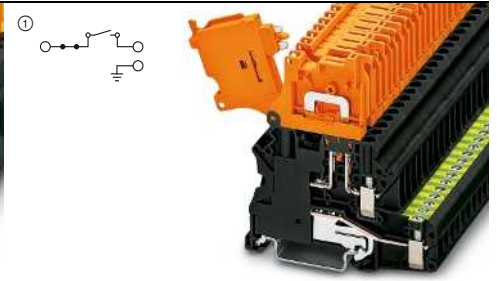


**20 A, lever-type disconnect terminal block, same shape**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	57.8	73 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
20 / 2.5      16 / -      16 / -      -      -				

Ordering data				
Type	Order No.	Pcs. / Pkt.		
UT 4-HEDI	① 3046249	50		
UT 4-HEDI-P/P	① 3046252	50		



**20 A, lever-type disconnect terminal block, same shape, with PE foot**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.8	73 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
20 / 2.5      16      16 / -      -      -				

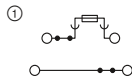
Ordering data				
Type	Order No.	Pcs. / Pkt.		
UT 4-PE/HEDI	① 3074004	50		

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> UT... screw connection terminal blocks

### Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:
1) For additional accessories and technical data, see page 40.
2) If the fuse is faulty, the downstream circuit is not off load.
3) For max. power dissipation, see page 616.
4) The current is determined by the fuse used.
For lever marking, please use marking material with a 5.2 mm pitch.
For information on installation and using accessories for Ex applications, see page 602.



36 A, multi-level terminal block, safety lever

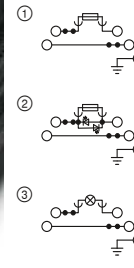


Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	92.7	88.9 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
36 <sup>3)</sup>	500 <sup>3)</sup>	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>3)</sup>	300	-	-
28 / 4	16	-	-
6.3 <sup>4)</sup> / 1 (disconnect level)			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-L/HESI (5X20)	① 3214325	50	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Fuse terminal block	black
With light indicator for 12 - 30 V DC <sup>2)</sup>	black
for 30 - 60 V AC/DC <sup>2)</sup>	black
for 110 - 250 V AC/DC <sup>2)</sup>	black



36 A, multi-level terminal block, safety lever with LED display, PE foot

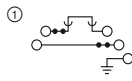


Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	92.7	88.9 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
36 <sup>3)</sup>	500 <sup>3)</sup>	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>3)</sup>	300	-	-
28 / 4	16	-	-
6.3 <sup>4)</sup> / 1 (disconnect level)			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L/HESI (5X20)	① 3214320	50	
UT 4-PE/L/HESILED 24 (5X20)	② 3214321	50	
UT 4-PE/L/HESILED 60 (5X20)	② 3214322	50	
UT 4-PE/L/HESILED 250 (5X20)	③ 3214323	50	

### Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:
1) For additional accessories and technical data, see page 40.
2) Current and voltage are determined by the plug used.
For lever marking, please use marking material with a 5.2 mm pitch.



36 A, multi-level lever-type disconnect terminal block, PE foot, same shape

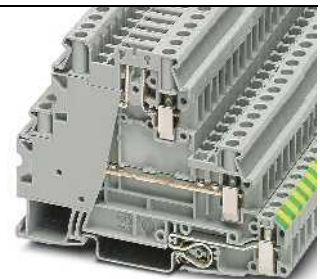
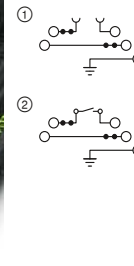


Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	92.7	88.9 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
36	500	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	-	-
28 / 4	16	-	-
20 / 1 (disconnect level)			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L/HEDI	① 3214324	50	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	black
Knife disconnect terminal block	gray



36 A, multi-level terminal block with disconnect zone, PE foot

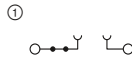


Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	92.7	61.7 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
36	500	0.14 - 6	-
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
28 / 4	-	-	-
20 <sup>2)</sup> / 2.5 (disconnect level)			

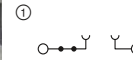
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L/TG	① 3214365	50	
UT 4-PE/L/MT	② 3214364	50	

### Disconnect and knife disconnect terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 40.
2) If the fuse is faulty, the downstream circuit is not off load.
3) Current and voltage are determined by the plug used.
Detailed information and data sheets regarding terminal blocks in the Ex area are available in the product area on our website at <a href="http://www.phoenixcontact.net/products">www.phoenixcontact.net/products</a> and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.
Only the fuse plugs listed may be used.
For information on installation and using accessories for Ex applications, see page 602.



20 A, disconnect terminal block



20 A, disconnect terminal block, for Ex nA



Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	57.8	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>3)</sup>	500 <sup>3)</sup>	0.14 - 6	26-10
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>3)</sup>	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 <sup>3)</sup> / 2.5	16 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-TG	3046142	50	
UT 4-TG BU	3073283	50	
UT 4-TG-P/P	3046168	50	
UT 4-TG-P/P BU	3073296	50	

Accessories <sup>1)</sup>			



Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	57.8	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>3)</sup>	500 <sup>3)</sup>	0.14 - 6	-
20 (FBS)			
IEC	UL / CUL	CSA	Ex
500 <sup>3)</sup>	-	-	250
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 <sup>3)</sup> / 2.5	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-TG-EX	3046143	50	
UT 4-TG-P/P-EX	3046169	50	

Accessories <sup>1)</sup>			
P-FU 5X20-EX	3036807	10	
P-FU 5X20 LED 24-EX	3036821	10	
P-FU 5X20 LED 60-EX	3036823	10	
P-FU 5X20 LA 250-EX	3036836	10	

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
	Color
Terminal block	gray
	blue
With test socket screws	gray
	blue
Fuse plug, width 6.2 mm <sup>2)</sup>	
With light indicator for 12 - 30 V DC	black
for 30 - 60 V AC/DC	black
for 110 - 250 V AC/DC	black

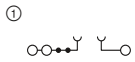
# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> UT... screw connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 40.  
 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 3 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	65.4	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500 <sup>2)</sup>	0.14 - 6	26-10	
20 (FBS) / 20 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>2)</sup>	300	300	-	
20 <sup>2)</sup> / 2.5				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-TWIN-TG	3046595	50	
UT 4-TWIN-TG BU	3073034	50	
UT 4-TWIN-TG P/P	3046605	50	
UT 4-TWIN-TG P/P BU	3073047	50	

Accessories <sup>1)</sup>		
D-UT 2,5/4-QUATTRO	Order No.	Pcs. / Pkt.
D-UT 2,5/4-QUATTRO	3047170	50

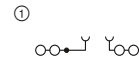
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
With test socket screws	gray
	blue

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



20 A, disconnect terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	65.4	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500 <sup>2)</sup>	0.14 - 6	26-10	
20 (FBS) / 20 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>2)</sup>	300	300	-	
20 <sup>2)</sup> / 2.5				

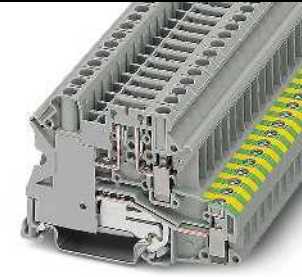
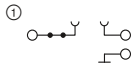
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-QUATTRO-TG	3064027	50	
UT 4-QUATTRO-TG BU	3073076	50	
UT 4-QUATTRO-TG P/P	3064030	50	
UT 4-QUATTRO-TG P/P BU	3073089	50	

Accessories <sup>1)</sup>		
D-UT 2,5/4-QUATTRO	Order No.	Pcs. / Pkt.
D-UT 2,5/4-QUATTRO	3047170	50

### Disconnect and knife disconnect terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 40.  
 2) Current and voltage are determined by the plug used.  
 3) Lower level



20 A, disconnect terminal block with PE foot



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.14 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	600	-	
20 / 2.5				
-				

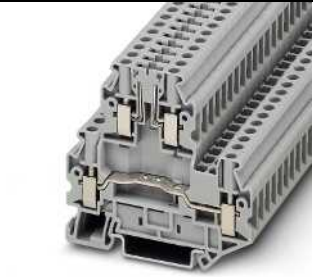
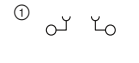
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE-TG	3070024	50	
UT 4-PE-TG P/P	3070037	50	

Accessories <sup>1)</sup>		
D-UTTB 2,5/4	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

Description	Color
Terminal block	gray
With test socket screws	gray
Disconnect terminal block	gray

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray
Spacer plate	gray



38 A, double-level terminal block with disconnect zone



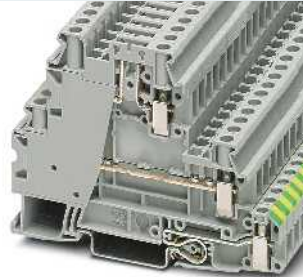
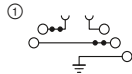
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	69.9	65 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38 <sup>3)</sup>	500 <sup>2)</sup>	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>2)</sup>	600	600	-	
30 / 4				
20 <sup>2)</sup> / 2.5 (disconnect level)				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 4-TG	3044720	50	

Accessories <sup>1)</sup>		
D-UTTB 2,5/4	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 40.  
 2) Current and voltage are determined by the plug used.

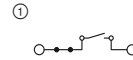


**36 A, multi-level terminal block with disconnect zone, PE foot**



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	6.2	92.7	61.7 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	36	500	0.14 - 6	-
Max. bridge current	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	-	-	-
Nominal current / cross section	28 / 4	-	-	-
Nominal current / cross section	20 <sup>2)</sup> / 2.5 (disconnect level)			

Ordering data			
Description	Color	Type	Order No.
Terminal block	gray	UT 4-PE/LTG	3214365
With test socket screws	gray blue gray blue		



**20 A, knife disconnect terminal block**

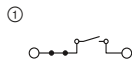


Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	6.2	57.8	49.1 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	500	0.14 - 6	26-10
Max. bridge current	20 (FBS) / 20 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	20 / 2.5	16 / -	16 / -	-
Nominal current / cross section	-			

Ordering data			
Description	Color	Type	Order No.
Terminal block	gray	UT 4-MT	3046139
With test socket screws	gray blue gray blue	UT 4-MT BU UT 4-MT-P/P UT 4-MT-P/P BU	3046278 3046171 3046265

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 40.  
 Detailed information and data sheets regarding terminal blocks in the Ex area are available in the product area on our website at [www.phoenixcontact.net/products](http://www.phoenixcontact.net/products) and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.  
 For information on installation and using accessories for Ex applications, see page 602.

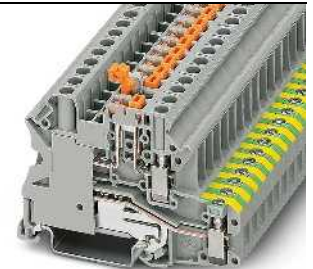
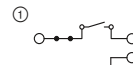


**20 A, knife disconnect terminal block for Ex nA**



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	6.2	57.8	49.1 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	500	0.14 - 6	-
Max. bridge current	20 (FBS)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	-	-	500
Nominal current / cross section	20 / 2.5	-	-	16 / 4
Connection capacity	solid		stranded	
2 conductors (of the same type)	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	

Ordering data			
Description	Color	Type	Order No.
Terminal block	gray	UT 4-MT-EX	3046141
With test socket screws	gray	UT 4-MT-P/P-EX	3046173



**20 A, knife disconnect terminal block with PE foot**



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	6.2	70.8	49.1 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	500	0.14 - 6	26-10
Max. bridge current	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	-	600	-
Nominal current / cross section	20 / 2.5	-	16 / -	-
Connection capacity	solid		stranded	
2 conductors (of the same type)	0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	

Ordering data			
Description	Color	Type	Order No.
Terminal block	gray	UT 4-PE/MT	3070011
With test socket screws	gray	UT 4-PE/MT P/P	3046140

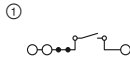
# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> UT... screw connection terminal blocks

### Disconnect and knife disconnect terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 40.



20 A, knife disconnect terminal block, 3 connections



#### Technical data<sup>1)</sup>

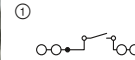
Dimensions	Width	Length	Height
	6.2	65.4	49.1 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	20	500	0.14 - 6 26-10
	20 (FBS) / 20 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
	500	300	300 - -
Rated voltage	[V]	500	300 - -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	20 / - 16 / -

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 4-TWIN-MT	① 3046003	50
	blue	UT 4-TWIN-MT BU	① 3073018	50
With test socket screws	gray	UT 4-TWIN-MT P/P	① 3064014	50
	blue	UT 4-TWIN-MT P/P BU	① 3073021	50

#### Accessories<sup>1)</sup>

Cover, width 2.2 mm	Color	D-UT 2,5/4-QUATTRO	Order No.	Pcs. / Pkt.
	gray		3047170	50



20 A, knife disconnect terminal block, 4 connections



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
	6.2	65.4	49.1 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	20	500	0.14 - 6 26-10
	20 (FBS) / 20 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
	500	300	300 - -
Rated voltage	[V]	500	300 - -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	20 / - 16 / -

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 4-QUATTRO-MT	① 3064043	50
	blue	UT 4-QUATTRO-MT BU	① 3073050	50
With test socket screws	gray	UT 4-QUATTRO-MT P/P	① 3064056	50
	blue	UT 4-QUATTRO-MT P/P BU	① 3073063	50

#### Accessories<sup>1)</sup>

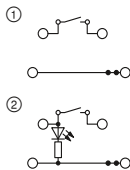
Cover, width 2.2 mm	Color	D-UT 2,5/4-QUATTRO	Order No.	Pcs. / Pkt.
	gray		3047170	50

### Disconnect and knife disconnect terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 40.

2) Lower level



38 A, double-level terminal block with knife disconnect zone



#### Technical data<sup>1)</sup>

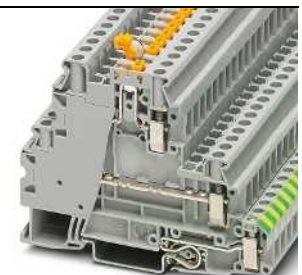
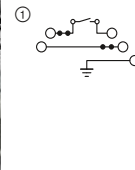
Dimensions	Width	Length	Height
	6.2	69.9	65 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	38 <sup>2)</sup>	500	0.14 - 6 26-10
	36 (FBS) / 24 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
	500	600	600 - -
Rated voltage	[V]	500	600 - -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / 4	16 5
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5 (disconnect level)	

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	UTTB 4-MT	① 3044775	50
With test socket screws	gray	UTTB 4-MT P/P	① 3044762	50
for 12 - 30 V DC, 0.7 - 2.4 mA	gray	UTTB 4-MT P/P LA 24 RD/O-U	② 3046773	50

#### Accessories<sup>1)</sup>

Cover, width 2.2 mm	Color	D-UTTB 2,5/4	Order No.	Pcs. / Pkt.
	gray		3047293	50



36 A, multi-level terminal block with knife disconnect zone, PE foot



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
	6.2	92.7	61.7 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	36 <sup>2)</sup>	500	0.14 - 6 26-10
	32 (FBS) / 24 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
	500	300	- -
Rated voltage	[V]	500	300 - -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	28 / 4	16 - -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5 (disconnect level)	

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 4-PE/L/MT	① 3214364	50

#### Accessories<sup>1)</sup>

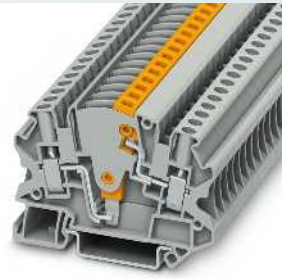
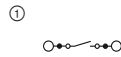
Cover, width 2.2 mm	Color	D-UTTB 2,5/4	Order No.	Pcs. / Pkt.
	gray		3047293	50



### Test disconnect terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 40.



28 A, test disconnect terminal block



#### Technical data<sup>1)</sup>

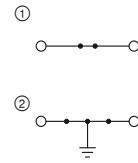
Width	Length	Height		
6.2	66	47.7 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
28	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
28 / 4	25 / -	25 / -	-	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
UTME 4	3047452	50
UTME 4-P/P	3047453	50
UTME 4-P/P BU	3047454	50

#### Accessories<sup>1)</sup>

D-UTME 4	Order No.	Pcs. / Pkt.
	3047491	10



28 A, feed-through terminal block and ground terminal, same shape



#### Technical data<sup>1)</sup>

Width	Length	Height		
6.2	66	47.7 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
32 / 4	25 / -	25 / -	-	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
UTMED 4	3047465	50
UTMED 4-PE	3047478	50

#### Accessories<sup>1)</sup>

D-UTME 4	Order No.	Pcs. / Pkt.
	3047491	10

Dimensions	[mm]
Width	6.2
Length	66
Height	47.7 (NS 35/7,5)
Max. electrical data	
$I_{max}$ [A]	28
$U_{max}$ [V]	500
32 (FBS) / 24 (FBSR)	
Max. bridge current [A]	32
Rated data	
Rated voltage [V]	500
Nominal current / cross section [A] / [mm <sup>2</sup> ]	28 / 4

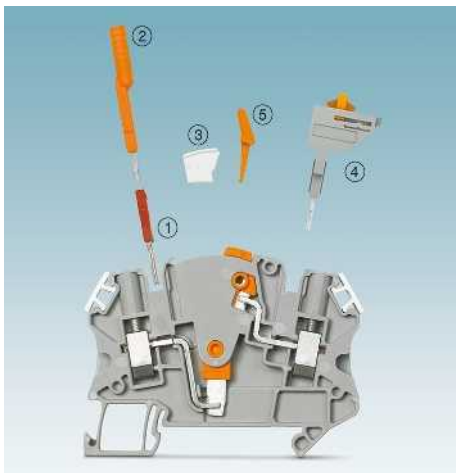
  

Description	Color
Test disconnect terminal block	gray
With test socket screws	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
	gray

### Supplementary accessories for UTME 4 test disconnect terminal blocks



- Only two UTME 4 test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

- 1) FBS... jumper for cross connection
- 2) 4 mm  $\varnothing$  PAI-4-FIX... test plug adapter
- 3) S-ME 4 switching lock
- 4) SB-ME... switching jumper
- 5) C-ME 4/2 connection bridge

Description	No. of pos.	Color
Test adapter, for 4 mm $\varnothing$ safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange

#### Ordering data

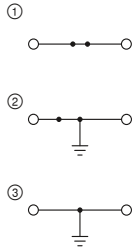
Type	Order No.	Pcs. / Pkt.
PAI-4-FIX-5/6 OG	3035974	10
PAI-4-FIX-5/6 YE	3035977	10
PAI-4-FIX-5/6 GN	3035978	10
PAI-4-FIX-5/6 VT	3035979	10
PAI-4-FIX-5/6 BK	3035980	10
PAI-4-FIX-5/6 BU	3035975	10
PAI-4-FIX-5/6 RD	3035976	10
PAI-4-FIX-5/6 GY	3035982	10
PAI-4-FIX-5/6 BN	3035981	10
S-ME 4	3035758	10
SB-ME 2-6	3035755	10
SB-ME 3-6	3035756	10
SB-ME 4-6	3035757	10
C-ME 4/2	3035759	10
C-ME 4/3	3035760	10

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> UT... screw connection terminal blocks

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 40.  
 For information on installation and using accessories for Ex applications, see page 602.



**41 A, feed-through terminal block and ground terminal, same shape**

Ex: EAC Ex KEMA 04ATEX2048 U / IECEX KEM 06.0027U

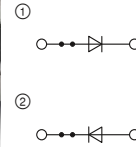
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	57.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	800	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	690	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	29 / 4

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>Terminal block</b>	gray
	blue
<b>Ground terminal, with snap-on foot</b>	green-yellow
With screw foot	green-yellow
<b>Terminal block, for conducting direction see circuit diagram</b>	gray
	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-MTD	① 3046184	50	
UT 4-MTD BU	① 3046197	50	
UT 4-MTD-PE	② 3046223	50	
UT 4-MTD-PE/S	③ 3046207	50	

Accessories <sup>1)</sup>		
D-UT 2,5/4-TWIN	3047141	50



**0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)**

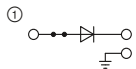
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	57.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5	800	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	0.5 / 1	0.5 / -	1 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-MTD-DIO/L-R	① 3046210	50	
UT 4-MTD-DIO/R-L	② 3046236	50	

Accessories <sup>1)</sup>		
D-UT 2,5/4-TWIN	3047141	50

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 40.



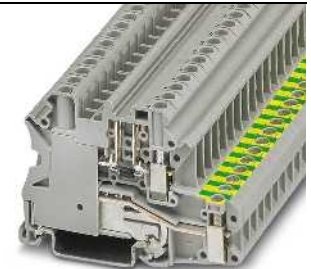
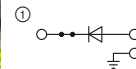
**0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), conducting direction: from left to right**

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	0.5 / 1	0.5	-

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>Terminal block, for conducting direction see circuit diagram</b>	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L-DIO/L-R P/P	① 3046834	50	



**0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), conducting direction: from right to left**

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	0.5 / 1	0.5	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-PE/L-DIO/R-L P/P	① 3046235	50	



# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> UT... screw connection terminal blocks

### General technical data for 6 mm<sup>2</sup> UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm <sup>2</sup> ]	6			
Cross section range	AWG	24 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		VO			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

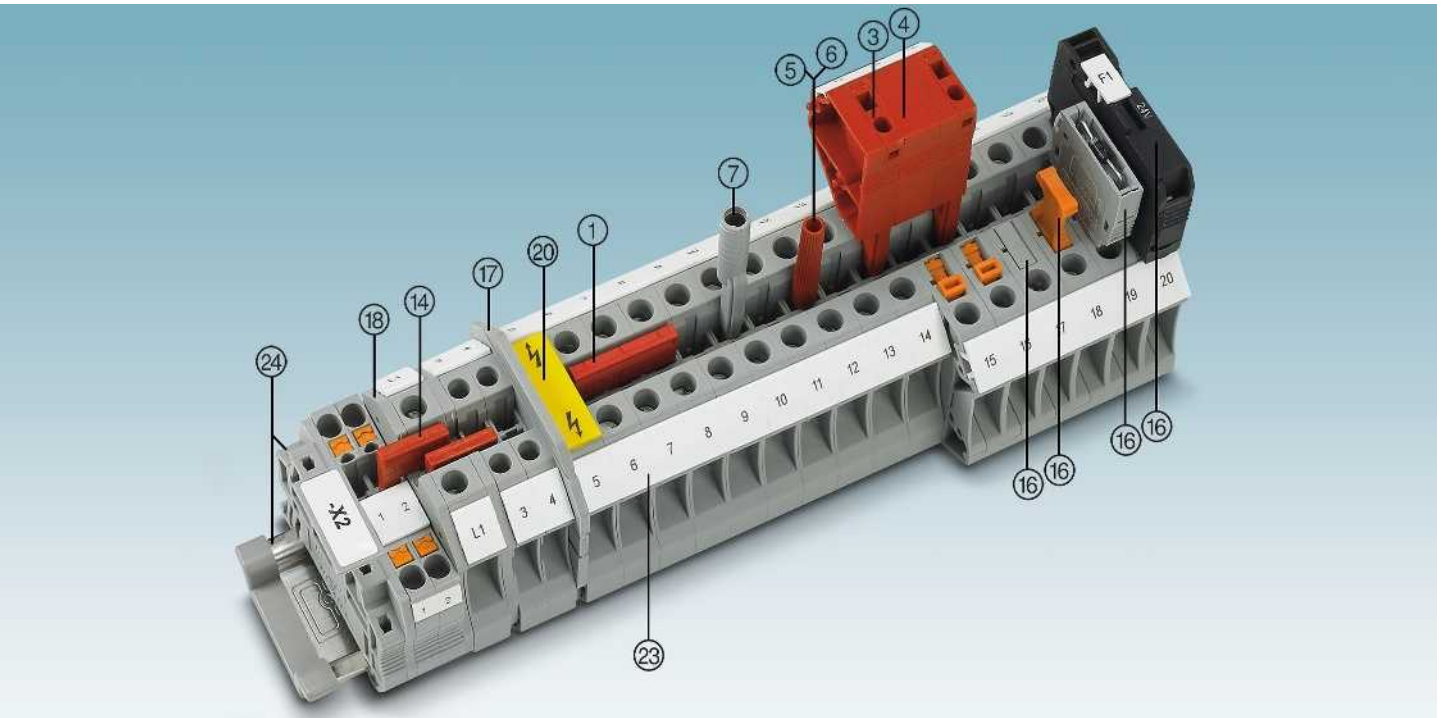


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 6 mm<sup>2</sup> UT... screw connection terminal blocks

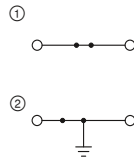


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red				FBSR 16-8	3033816	10
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SZS 1,0X4,0 VDE	1205066	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>
⑱ Cover	Documented for the product.
⑳ Warning labels	For WS ..., see page 353.
㉑ Lateral groove marking	UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.
㉒ DIN rails and end brackets	See Catalog 5.
For full accessories, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>	<b>Note: additional or deviating accessories are documented for the product.</b>

Feed-through terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 52.  
 For information on installation and using accessories for Ex applications, see page 602.



57 A, feed-through terminal block and ground terminal



Ex: EAC Ex   
 KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	8.2	47.7	47.5 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	57	1000	0.2 - 10 24-8
Max. bridge current	41 (FBS) / 32 (FBSR) [A]		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	1000	600	600 690
Nominal current / cross section	41 / 6	50 / -	50 / - 40 / 6

Ordering data

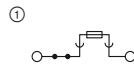
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 6	① 3044131	50
	blue	UT 6 BU	① 3044144	50
Ground terminal	green-yellow	UT 6-PE	② 3044157	50

Accessories<sup>1)</sup>

Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-UT 2,5/10 3047028	50

Fuse terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 52.  
 2) If the fuse is faulty, the downstream circuit is not off load.  
 3) For max. power dissipation, see page 616.  
 4) The current is determined by the fuse used, the voltage by the light indicator.  
 As disconnect terminal block 500 V  
 For lever marking, please use marking material with 6.2 mm pitch.



10 A, lever-type fuse terminal block for 6 x 32 mm cartridge fuses

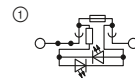


Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	8.2	57.8	73 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	10 <sup>3)</sup>	630 <sup>4)</sup>	0.2 - 10 24-8
Max. bridge current	41 (FBS) / 32 (FBSR) [A]		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	630 <sup>4)</sup>	600	600 -
Nominal current / cross section	10 <sup>4)</sup> / 1.5	10 / -	10 / -

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	black	UT 6-HESI (6,3X32)	① 3046401	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA <sup>2)</sup>	black			
for 30 – 60 V AC/DC, 0.40 – 0.86 mA <sup>2)</sup>	black			
110 – 250 V AC/DC, 0.41 – 0.96 mA <sup>2)</sup>	black			



10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses, with LED display



Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	8.2	57.8	73 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	10 <sup>3)</sup>	24 <sup>4)</sup>	0.2 - 10 24-8
Max. bridge current	41 (FBS) / 32 (FBSR) [A]		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	24 <sup>4)</sup>	600	600 -
Nominal current / cross section	10 <sup>4)</sup> / 1.5	10 / -	10 / -

Ordering data

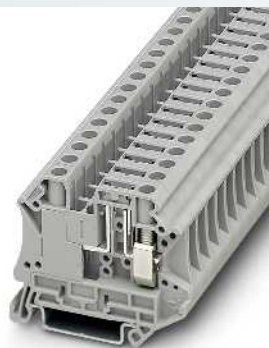
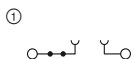
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	black	UT 6-HESI (6,3X32)	① 3046401	50
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA <sup>2)</sup>	black	UT 6-HESILED 24 (6,3X32)	① 3046414	50
for 30 – 60 V AC/DC, 0.40 – 0.86 mA <sup>2)</sup>	black	UT 6-HESILED 60 (6,3X32)	① 3046427	50
110 – 250 V AC/DC, 0.41 – 0.96 mA <sup>2)</sup>	black	UT 6-HESILA 250 (6,3X32)	① 3046430	50

# Terminal blocks - CLIPLINE complete

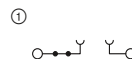
## 6 mm<sup>2</sup> UT... screw connection terminal blocks

### Disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 52.
2) If the fuse is faulty, the downstream circuit is not off load.
3) Current and voltage are determined by the plug used.
Detailed information and data sheets regarding terminal blocks in the Ex area are available in the product area on our website at <a href="http://www.phoenixcontact.net/products">www.phoenixcontact.net/products</a> and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.
Only the fuse plugs listed may be used.
For information on installation and using accessories for Ex applications, see page 602.



20 A, disconnect terminal block



20 A, disconnect terminal block for Ex nA



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	57.8	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>3)</sup>	500 <sup>3)</sup>	0.2 - 10	24-8
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>3)</sup>	600	600	-
Nominal current / cross section	20 <sup>3)</sup> / 2.5	20 / -	16 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 6-TG	3046485	50	①
UT 6-TG BU	3073856	50	①
UT 6-TG P/P	3073869	50	①
UT 6-TG P/P BU	3073872	50	①

Accessories <sup>1)</sup>		



Ex: IECEx UL 13.0007U

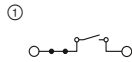
Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	57.8	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>3)</sup>	500 <sup>3)</sup>	0.2 - 10	-
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>3)</sup>	-	-	250
Nominal current / cross section	20 <sup>3)</sup> / 2.5	-	6.3 / 6

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 6-TG-EX	3046486	50	①
UT 6-TG P/P-EX	3073870	50	①

Accessories <sup>1)</sup>		
P-FU 6,3X32-EX	3046499	10
P-FU 6,3X32 LED 24-EX	3046509	10
P-FU 6,3X32 LED 60-EX	3046512	10
P-FU 6,3X32 LA 250-EX	3046525	10

Fuse plug, width 8.2 mm <sup>2</sup>	black
With LED for 12 – 30 V DC, 0.35 – 0.95 mA	black
for 30 – 60 V AC/DC, 0.36 – 0.95 mA	black
for 110 – 250 V AC/DC, 0.4 – 0.95 mA	black

## Knife disconnect terminal blocks



20 A, knife disconnect terminal block

## Notes:

<sup>1)</sup> For additional accessories and technical data, see page 52.

Technical data<sup>1)</sup>

Dimensions	Width	Length	Height	
	8.2	57.8	49.1 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\emptyset$ [mm <sup>2</sup> ]	AWG (UL)
	20	500	0.2 - 10	24-8
Max. bridge current	20 (FBS) / 20 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	20 / 2.5	20 / -	16 / -	-

## Ordering data

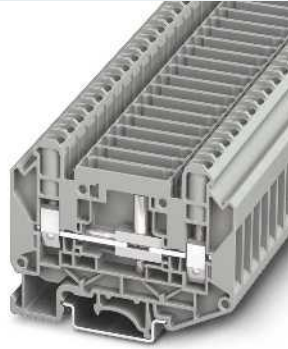
Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 6-MT	① 3064069	50
	blue	UT 6-MT BU	① 3073267	50
	gray	UT 6-MT P/P	① 3064072	50
	blue	UT 6-MT P/P BU	① 3073270	50

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> UT... screw connection terminal blocks

### Test disconnect terminal blocks

<b>Notes:</b>
For further jumpers, see page 340.
For further test sockets, see page 505.
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.



57 A, 1000 V, test disconnect terminal block, 2 jumper shafts

ERC

#### Technical data

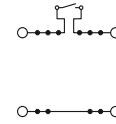
Dimensions	Width	Length	Height NS 35/7,5
	8.2	72.6	54.3
Dimensions	Width	Length	Height NS 32
	8.2	72.6	59.3
Max. electrical data	I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	57	1000	0.2 - 10 -
Rated data	IEC 60947-7-1 IEC	UL	CSA IEC/EN 60079-7
Rated voltage [V]	1000	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 / 6	-	-
General data	Stripping length [mm] 12		
	Tightening torque [Nm] 1.2 - 1.4		

#### Ordering data

Description	No. of pos.	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>Terminal block</b>		gray	UT 6-T-HV		3070134	50
With test socket screws		gray	UT 6-T-HV P/P		3070121	50
<b>Feed-through terminal block</b>		gray				

#### Accessories

Accessories	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>Cover, width 2.2 mm</b>	D-UT 6-T-HV		3070147	50
<b>Jumper</b>	FBS 2-8	41 A	3030284	10
	FBS 3-8	41 A	3030297	10
	FBS 4-8	41 A	3030307	10
	FBS 5-8	41 A	3030310	10
	FBS 10-8	41 A	3030323	10
<b>Pre-assembled bridge, labeled</b>	FBS 1/3-8	24 A	3032363	10
3-pos., positions 1, 3	FBS 1/4-8	24 A	3032376	10
4-pos., positions 1, 4	FBS 1/5-8	24 A	3032381	10
5-pos., positions 1, 5	FBS 1/3/5-8	24 A	3032389	10
5-pos., positions 1, 3, 5	FBS 1/4/7/10-8	24 A	3032402	10
10-pos., positions 1, 4, 7, 10				
<b>Fixed bridge, 10-pos.</b>				
<b>Isolator bridge bar, 10-pos.</b>				
<b>Switching jumper</b>				
<b>Switching jumper, plug-in</b>	SB-MER 2-8	30 A	3000587	10
	SB-MER 3-8	30 A	3000588	10
	SB-MER 4-8	30 A	3000589	10
<b>Test socket</b>	PAI-4-FIX YE		3032745	10
<b>Test adapter, plug-in</b>	PAI-4-FIX GN		3032758	10
	PAI-4-FIX VT		3032761	10
	PAI-4-FIX BK		3032774	10
	PAI-4-FIX BU		3032729	10
	PAI-4-FIX VT		3032761	10
	PAI-4-FIX BK		3032774	10
	PAI-4-FIX BN		3032787	10
	PAI-4-FIX GY		3032790	10
<b>Test adapter, screw-in</b>	PSBJ 6-T YE		3070326	10
	PSBJ 6-T GN		3070327	10
	PSBJ 6-T VT		3070328	10
	PSBJ 6-T BK		3070318	10
	PSBJ 6-T BU		3070329	10
	PSBJ 6-T RD		3070319	10



50 A, test disconnect terminal block, 4 jumper shafts, 2 screw bridge shafts

RA us

#### Technical data

Dimensions	Width	Length	Height NS 35/7,5
	8.2	105.2	53
Dimensions	Width	Length	Height NS 32
	8.2	105.2	58
Max. electrical data	I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	50	1000	0.2 - 10 20-8
Rated data	IEC 60947-7-1 IEC	UL	CSA IEC/EN 60079-7
Rated voltage [V]	1000	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 / 6	50	-
General data	Stripping length [mm] 12		
	Tightening torque [Nm] 1.5 - 1.8		

#### Ordering data

Description	No. of pos.	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>Terminal block</b>		gray	UT 6-T/SP		3072815	50
<b>Feed-through terminal block</b>		gray	UTD 6/SP		3072817	50

#### Accessories

Accessories	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>D-UT 6-T/SP</b>			3072816	50
<b>FBS 2-8</b>		41 A	3030284	10
<b>FBS 3-8</b>		41 A	3030297	10
<b>FBS 4-8</b>		41 A	3030307	10
<b>FBS 5-8</b>		41 A	3030310	10
<b>FBS 10-8</b>		41 A	3030323	10
<b>FBS 1/3-8</b>		24 A	3032363	10
<b>FBS 1/4-8</b>		24 A	3032376	10
<b>FBS 1/5-8</b>		24 A	3032381	10
<b>FBS 1/3/5-8</b>		24 A	3032389	10
<b>FBS 1/4/7/10-8</b>		24 A	3032402	10
<b>SCBI 10-8,15</b>			3245134	10
<b>SCBI 10-8,15 ISO</b>			3000417	10
<b>SB 6-T 2-8</b>		32 A	3075842	10
<b>SB 6-T 3-8</b>		32 A	3075843	10
<b>SB 6-T 4-8</b>		32 A	3075844	10
<b>SB-MER 2-8</b>		25 A	3000587	10
<b>SB-MER 3-8</b>		25 A	3000588	10
<b>SB-MER 4-8</b>		25 A	3000589	10
<b>TPS 3/20/5</b>			3246586	10
<b>PAI-4-FIX YE</b>			3032745	10
<b>PAI-4-FIX GN</b>			3032758	10
<b>PAI-4-FIX VT</b>			3032761	10
<b>PAI-4-FIX BK</b>			3032774	10
<b>PAI-4-FIX BU</b>			3032729	10
<b>PAI-4-FIX VT</b>			3032761	10
<b>PAI-4-FIX BK</b>			3032774	10
<b>PAI-4-FIX BN</b>			3032787	10
<b>PAI-4-FIX GY</b>			3032790	10
<b>PSBJ 6-T YE</b>			3070326	10
<b>PSBJ 6-T GN</b>			3070327	10
<b>PSBJ 6-T VT</b>			3070328	10
<b>PSBJ 6-T BK</b>			3070318	10
<b>PSBJ 6-T BU</b>			3070329	10
<b>PSBJ 6-T RD</b>			3070319	10



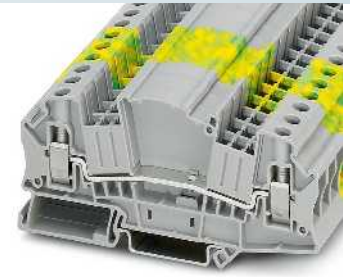
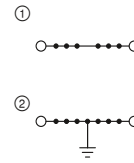
### Test disconnect terminal blocks

**Notes:**

- 1) For additional accessories and technical data, see page 52.
- For corresponding terminal strip covers, see Catalog 5.



30 A, test disconnect terminal block



41 A, feed-through terminal block and ground terminal, same shape



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	100.8	49.6 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	500	0.2 - 10	24-8
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
30 / 6	30 / -	30 / -	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTME 6	3047400	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UTME 6	3047426	10



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	100.8	49.6 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	500	0.2 - 10	24-8
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
41 / 6	30 / -	30 / -	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTMED 6	3047413	50
UTMED 6-PE	3047442	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UTME 6	3047426	10

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Test disconnect terminal block	gray
Ground terminal	gray green-yellow

Description	Color
Cover, width 2.2 mm	gray

### Supplementary accessories for UTME 6 test disconnect terminal blocks



- Only two UTME 6 test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks
- ① FBS... jumper for cross connection
- ② 4 mm Ø PAI-4-FIX... test plug adapter
- ③ S-ME 6 switching lock
- ④ SB-ME... switching jumper
- ⑤ C-ME 6/2 connection bridge

Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
Switching lock, plug-in	1	brown
Switching jumper, plug-in	2	white
Operating lever, for actuating test disconnect terminal blocks	2	gray/orange
	3	gray/orange
	4	gray/orange
	2	orange
	3	orange

Ordering data		
Type	Order No.	Pcs. / Pkt.
PAI-4-FIX OG	3034455	10
PAI-4-FIX YE	3032745	10
PAI-4-FIX GN	3032758	10
PAI-4-FIX VT	3032761	10
PAI-4-FIX BK	3032774	10
PAI-4-FIX BU	3032729	10
PAI-4-FIX RD	3032732	10
PAI-4-FIX GY	3032790	10
PAI-4-FIX BN	3032787	10
S-ME 6	3034439	10
SB-ME 2-8	3034468	10
SB-ME 3-8	3032800	10
SB-ME 4-8	3034484	10
C-ME 6/1	3034441	10
C-ME 6/2	3034442	10
C-ME 6/3	3034390	50

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> UT... screw connection terminal blocks

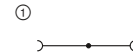
### Installation terminal blocks

#### Notes:

<sup>1)</sup> For additional accessories and technical data, see page 52.

#### Assembly instruction:

In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



### 41 A, neutral disconnect terminal block

ERC

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	blue

Cover, width 2.2 mm	blue
Support bracket	blue

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	55	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	400	0.2 - 10	-	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
41 / 6	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTN 6	3245037	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-UTN 2,5/10	3245079	50	
AB-UTN 2,5/10	3245082	50	



# Terminal blocks - CLIPLINE complete

## 10 mm<sup>2</sup> UT... screw connection terminal blocks

### General technical data for 10 mm<sup>2</sup> UT... screw connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	10			
Cross section range	AWG	20 - 6			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 6
<b>General data</b>					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

**Notes:**

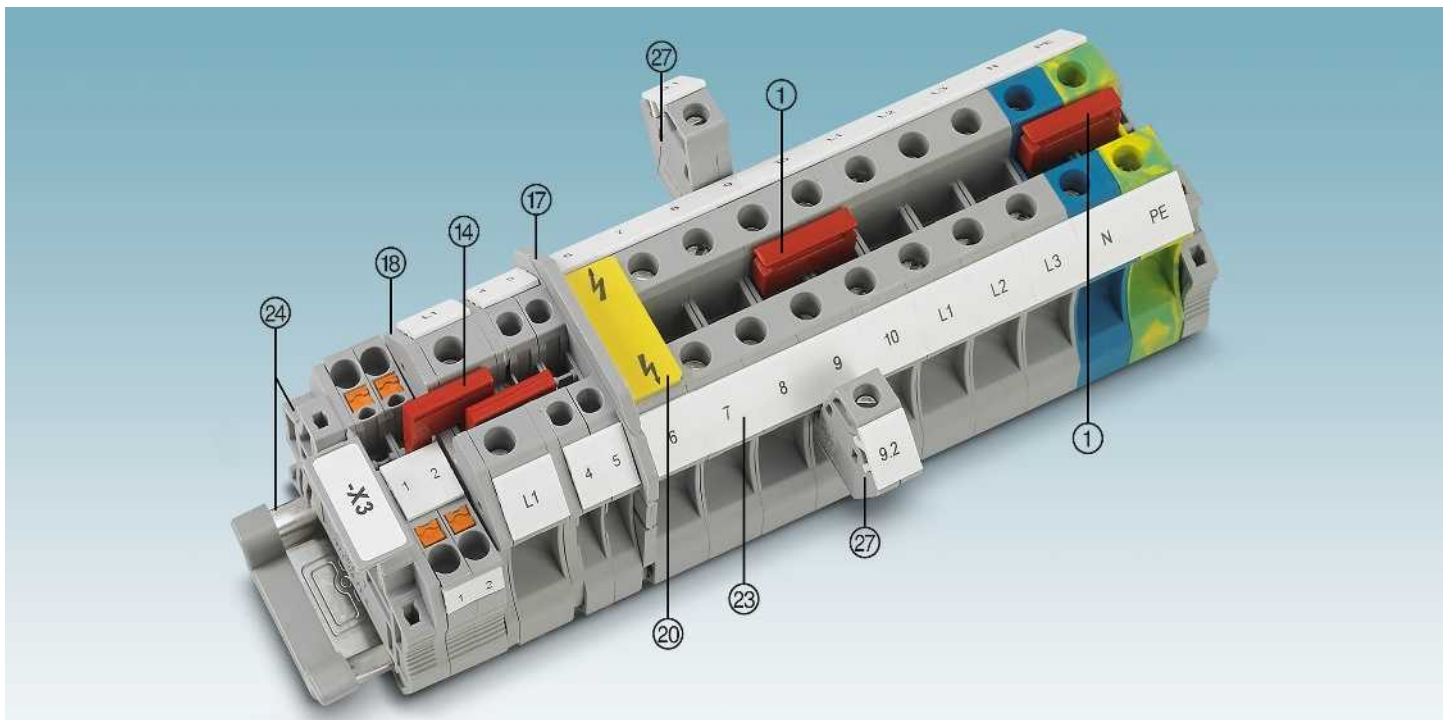


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 10 mm<sup>2</sup> UT... screw connection terminal blocks



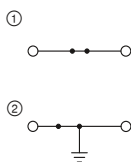
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-10	3005947	10			
	5	red	FBS 5-10	3005948	10			
② Tap-off terminal block		gray	AGK 4-UT 10	3047112	50			
Screwdriver			SZS 1,0X4,0 VDE	1205066	10			
④ Reducing bridge	For RB ..., see page 344.							
⑦ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products							
⑧ Cover	Documented for the product.							
⑩ Warning labels	For WS ..., see page 353.							
⑫ Lateral groove marking	UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.							
⑭ DIN rails and end brackets	See Catalog 5.							
For full accessories, visit phoenixcontact.net/products								
Note: additional or deviating accessories are documented for the product.								

## Feed-through terminal blocks and ground terminals

### Notes:

1) For additional accessories and technical data, see page 60.

For information on installation and using accessories for Ex applications, see page 602.



### 76 A, feed-through terminal block and ground terminal



Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	10.2	47.7	47.5 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	76	1000	0.5 - 16 20-6
Max. bridge current	57		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	1000	600	600 690
Nominal current / cross section	57 / 10	65 / -	65 / - 54 / 10

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 10	① 3044160	50
	blue	UT 10 BU	① 3044188	50
Ground terminal	green-yellow	UT 10-PE	② 3044173	50
With screw foot	green-yellow	UT 10-PE/S	② 3215054	50

#### Accessories<sup>1)</sup>

Description	Color	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	gray	D-UT 2,5/10	3047028	50

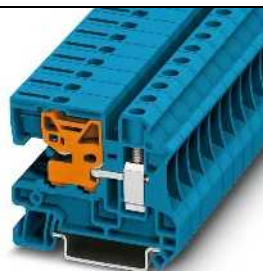
## Installation terminal blocks

### Notes:

1) For additional accessories and technical data, see page 60.

#### Assembly instruction:

In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



### 57 A, neutral disconnect terminal block



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	10.2	55	47.5 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	57	400	0.5 - 16 -
Max. bridge current	57		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	400	-	- -
Nominal current / cross section	57 / 10	-	- -

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	blue	UTN 10	① 3245040	50

#### Accessories<sup>1)</sup>

Description	Color	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	blue	D-UTN 2,5/10	3245079	50
Support bracket	blue	AB-UTN 2,5/10	3245082	50

# Terminal blocks - CLIPLINE complete

## 16 mm<sup>2</sup> UT... screw connection terminal blocks

### General technical data for 16 mm<sup>2</sup> UT... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	16			
Cross section range	AWG	16 - 4			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	1.5 - 25	1.5 - 25	1 - 16	1 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	1 - 6	1 - 6	1 - 6	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.75 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

#### Notes:

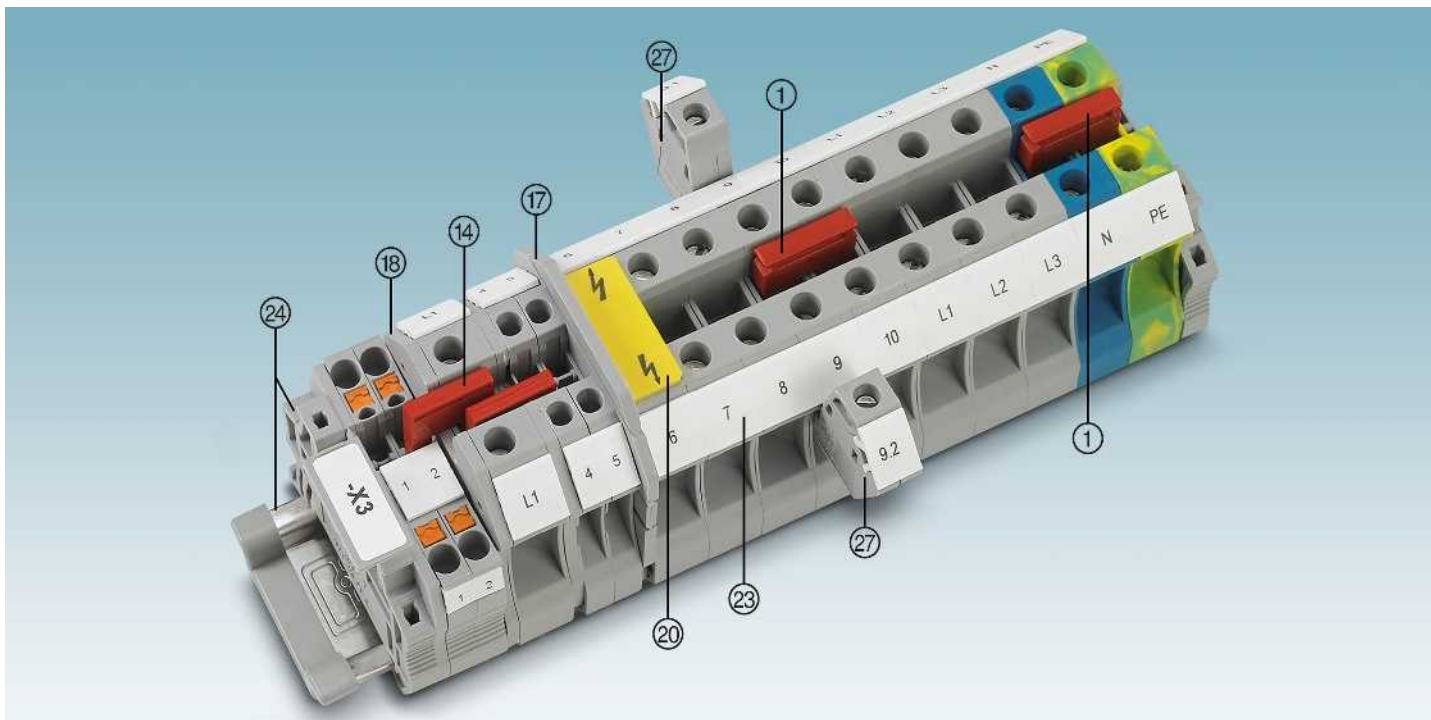


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

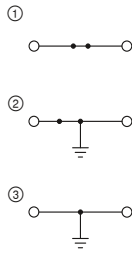
### System accessories for 16 mm<sup>2</sup> UT... screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-12	3005950	10			
⑦ Tap-off terminal block		gray	AGK 4-UT 16	3047125	50			
Screwdriver			SZS 1,0X6,5 VDE	1205079	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑰ Partition plates/end cover segments			For ATP-... / DS-..., visit phoenixcontact.net/products					
⑱ Cover			Documented for the product.					
⑳ Warning labels			For WS ..., see page 353.					
㉑ Lateral groove marking			UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.					
㉒ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

### Feed-through terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 62.  
 For information on installation and using accessories for Ex applications, see page 602.



101 A, feed-through terminal block and ground terminal



Ex: EAC Ex   
 KEMA 04ATEX2048 U / IECEx KEM 06.0027U

#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	12.2	55.5	55 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	101	1000	1.5 - 25 16-4
Max. bridge current	76		
[A]			
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	1000	600	600 690
[V]			
Nominal current / cross section	76 / 16	85 / -	85 / - 73.5 / 16
[A] / [mm <sup>2</sup> ]			

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UT 16	① 3044199	50
	blue	UT 16 BU	① 3044209	50
Ground terminal	green-yellow	UT 16-PE	② 3044212	50
With screw foot	green-yellow	UT 16-PE/S	③ 3215915	50

#### Accessories<sup>1)</sup>

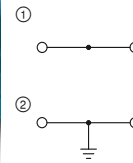
Description	Color	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	gray	D-UT 16	3047206	50

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 62.  
 Only the FBI 10-12 bridge (Order No. 0203454) can be used for UT1 16.  
**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



76 A, neutral disconnect terminal block



76 A, feed-through terminal block and ground terminal



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	12.2	55	50.5 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	76	400	6 - 25 -
Max. bridge current	-		
[A]			
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	400	-	-
[V]			
Nominal current / cross section	76 / 16	-	-
[A] / [mm <sup>2</sup> ]			
Cross section range	10 - 4	-	-
AWG			
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve
1 conductor	6 - 25	6 - 16	6 - 16 6 - 16
[mm <sup>2</sup> ]			
2 conductors (of the same type)	2.5 - 10	2.5 - 6	4 - 6 -
[mm <sup>2</sup> ]			
General data	Stripping length	Inflammability class according to UL 94	
	12	V2	
[mm]			

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UTN 16	① 3245053	50
	blue			
Ground terminal	green-yellow			



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	12.2	51	50.5 (NS 35/7,5)
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	76	400	6 - 25 -
Max. bridge current	101		
[A]			
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	400	-	-
[V]			
Nominal current / cross section	76 / 16	-	-
[A] / [mm <sup>2</sup> ]			
Cross section range	10 - 4	-	-
AWG			
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve
1 conductor	6 - 25	6 - 16	6 - 16 6 - 16
[mm <sup>2</sup> ]			
2 conductors (of the same type)	2.5 - 10	2.5 - 6	4 - 6 -
[mm <sup>2</sup> ]			
General data	Stripping length	Inflammability class according to UL 94	
	12	V2	
[mm]			

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	UTI 16	① 3073827	50
	blue	UTI 16 BU	① 3075728	50
Ground terminal	green-yellow	UTI 16-PE	② 3073830	50

# Terminal blocks - CLIPLINE complete

## 35 mm<sup>2</sup> UT... screw connection terminal blocks

### General technical data for 35 mm<sup>2</sup> UT... screw connection terminal blocks

<b>Rated data</b>	IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	35		
Cross section range	AWG	16 - 1/0		
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	1.5 - 50	1.5 - 50	1.5 - 35 / 1.5 - 35
2 conductors (of the same type)	[mm <sup>2</sup> ]	1.5 - 16	1.5 - 10	1.5 - 10 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 1.5 - 16
<b>General data</b>				
Stripping length	[mm]	18		
Screw thread		M6		
Tightening torque	[Nm]	3.2 - 3.7		
Insulating material		PA		
Inflammability class according to UL 94		V0		
<b>Note: additional or deviating data is documented for the product.</b>				

#### Notes:

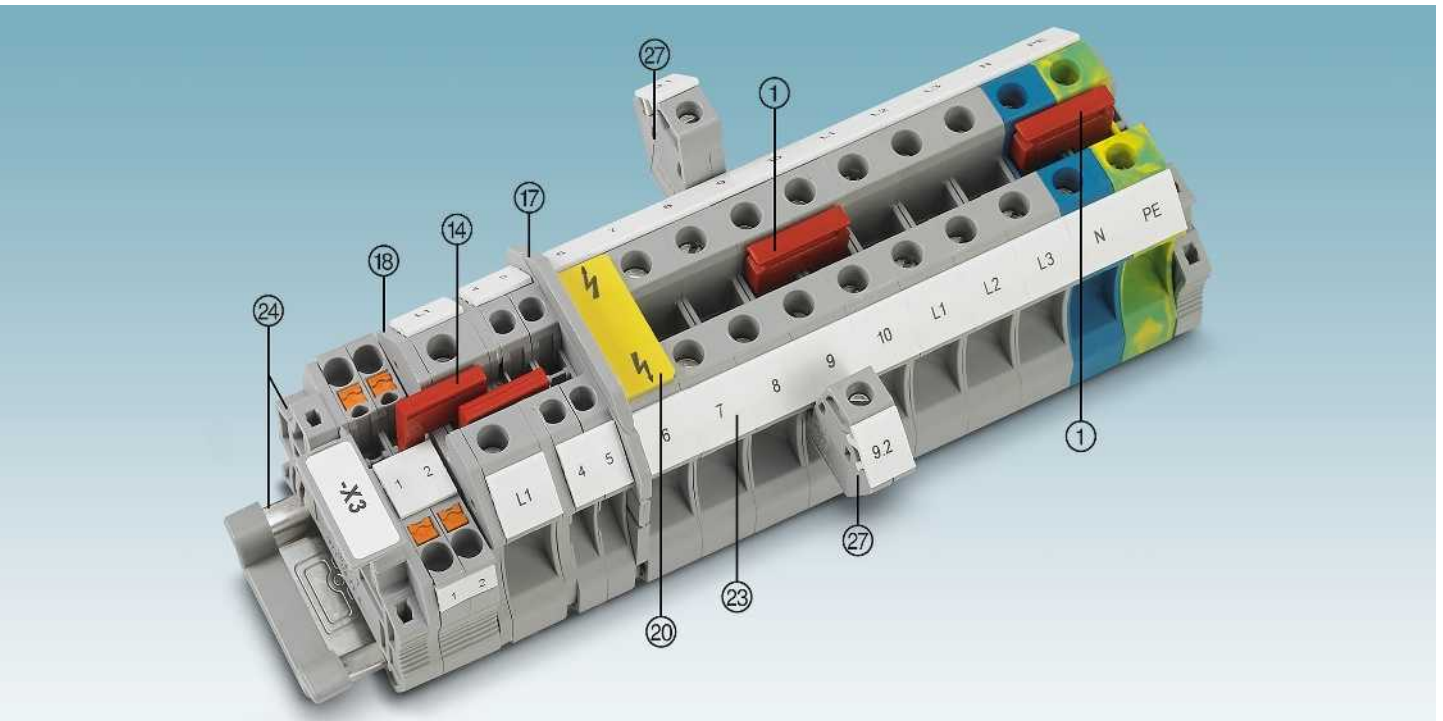


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 35 mm<sup>2</sup> UT... screw connection terminal blocks

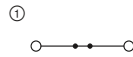


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-16	3005963	10			
② Tap-off terminal block		gray	AGK 4-UT 35	3047138	50			
③ Screwdriver			SZS 1,0X6,5 VDE	1205079	10			
④ Reducing bridge			For RB ..., see page 344.					
⑤ Partition plates/end cover segments			For ATP-... / DS-..., visit phoenixcontact.net/products					
⑥ Cover			Documented for the product.					
⑦ Warning labels			For WS ..., see page 353.					
⑧ Lateral groove marking			UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.					
⑨ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

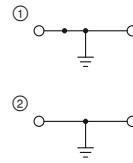


### Feed-through terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 64.  
 For information on installation and using accessories for Ex applications, see page 602.



150 A, feed-through terminal block



125 A, ground terminal



Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data <sup>1)</sup>				
Width	Length	Height		
16	60.2	65.7 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
150	1000	1.5 - 50	14-1/0	
Max. bridge current	101			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	600	690
Nominal current / cross section	125 / 35	150 / -	150 / -	126 / 35
Cross section range	AWG 16 - 1/0	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 35	3044225	50	
UT 35 BU	3044238	50	



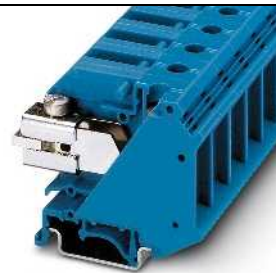
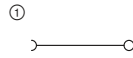
Ex: KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data <sup>1)</sup>				
Width	Length	Height		
16	60.2	65.7 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125	800	1.5 - 35	14-2	
Max. bridge current	101			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	600	690
Nominal current / cross section	125 / 35	150 / -	150 / -	126 / 35
Cross section range	AWG 16 - 2	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	1.5 - 35	1.5 - 35	1.5 - 35	1.5 - 35

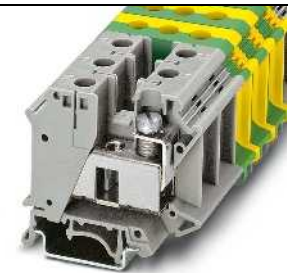
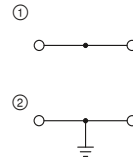
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 35-PE	3044241	50	
UT 35-PE/S	3215928	50	

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 64.  
 Only FB I...-12 bridges can be used for UTI 35.  
**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



110 A, neutral disconnect terminal block



125 A, feed-through terminal block and ground terminal



Technical data <sup>1)</sup>				
Width	Length	Height		
15	55	51 (NS 35/7,5) / 56 (NS 32)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
110	400	0.75 - 35	-	
Max. bridge current	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	400	-	-	-
Nominal current / cross section	110 / 35	-	-	-
Cross section range	AWG 18 - 2	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	0.75 - 10	0.75 - 10	0.75 - 10	-
General data	Stripping length	Inflammability class according to UL 94		
	16	V2		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTN 35	3245066	50	



Technical data <sup>1)</sup>				
Width	Length	Height		
15.2	55	51 (NS 35/7,5) / 56 (NS 32)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125	800	0.75 - 35	-	
Max. bridge current	135			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	800	-	-	-
Nominal current / cross section	125 / 35	-	-	-
Cross section range	AWG 18 - 2	-	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	0.75 - 10	0.75 - 10	0.75 - 10	-
General data	Stripping length	Inflammability class according to UL 94		
	16	V2		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTI 35	3074088	50	
UTI 35 BU	3075731	50	
UTI 35-PE	3074091	50	

# Terminal blocks - CLIPLINE complete

## 50 mm<sup>2</sup> UKH... screw connection terminal blocks

### General technical data for 50 mm<sup>2</sup> UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	50			
Cross section range	AWG	6 - 2/0			
Connection capacity		solid	stranded	Ferrule	
1 conductor	[mm <sup>2</sup> ]	16 - 70	25 - 70	25 - 50	25 - 50
2 conductors (of the same type)	[mm <sup>2</sup> ]	10 - 16	10 - 16	10 - 16	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
General data					
Stripping length	[mm]	24			
Screw thread		M6			
Tightening torque	[Nm]	6 - 8			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

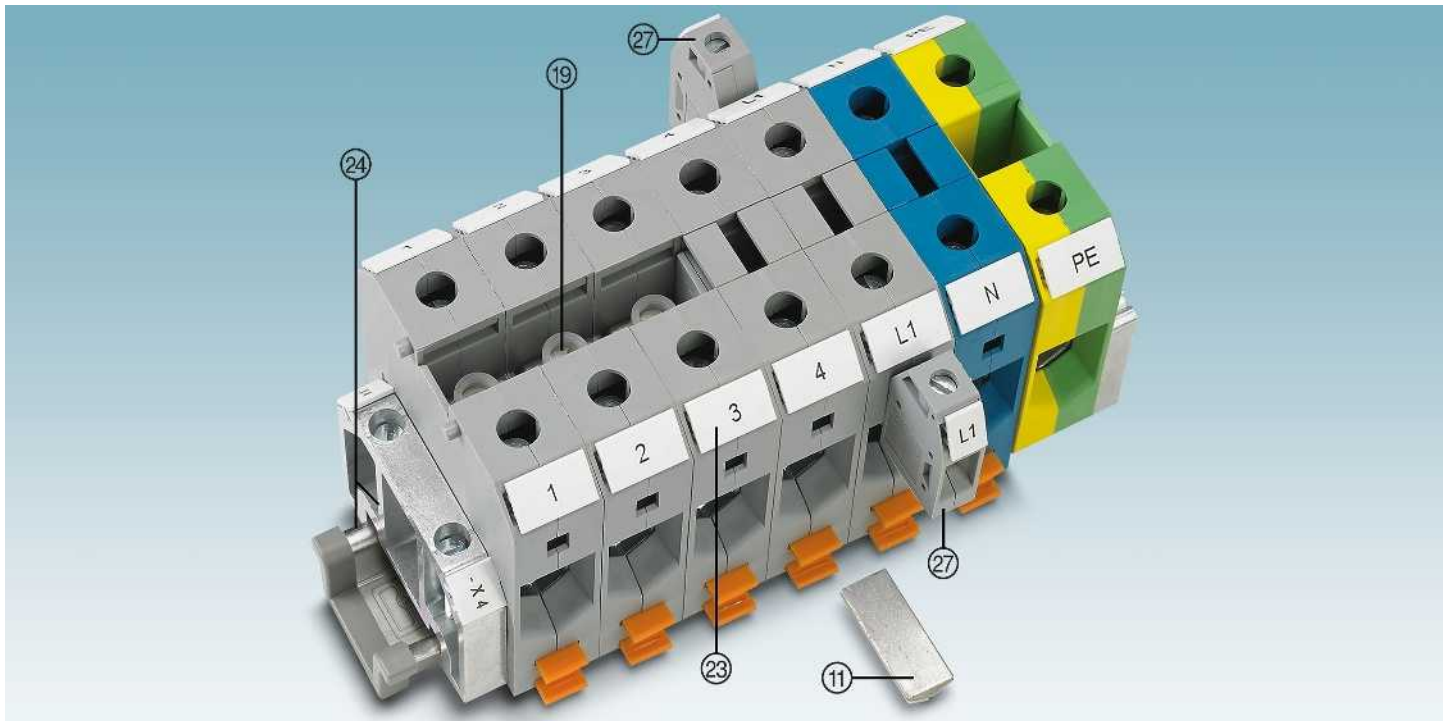


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 50 mm<sup>2</sup> UKH... screw connection terminal blocks



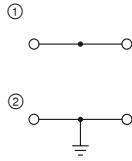
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ⓒ Fixed bridge <sup>1)</sup>	2	silver	FBI 2-20	0201346	10			
	3	silver	FBI 3-20	0201317	10			
Ⓘ Insertion profile for flat conductor connection, see page 496		silver	UKH 50 EP	3009228	10			
Ⓙ Tap-off terminal block		gray	AGK 10-UKH 50	3001763	10			
Screwdriver			SZS 1,2X8,0 VDE	1205082	10			
Ⓜ Lateral groove marking	UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.							
Ⓝ DIN rails and end brackets	See Catalog 5.							
For full accessories, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>								
Note: additional or deviating accessories are documented for the product.								

### High-current terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 66.

For information on installation and using accessories for Ex applications, see page 602.



150 A, feed-through terminal block



150 A, terminal block bases

Ex: 
  
 KEMA 98ATEX1786U / IECEx KEM 06.0029U

**Technical data<sup>1)</sup>**

Dimensions	[mm]
Width	20
Length	75.5
Height	83.5 (NS 35/15) / 81 (NS 32)

Max. electrical data	[A]
Max. bridge current	150
Rated data	150
Rated voltage	1000
Nominal current / cross section	150 / 50

Width	Length	Height
20	75.5	83.5 (NS 35/15) / 81 (NS 32)

I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
150	1000	16 - 70	6-1/0

IEC	UL / CUL	CSA	Ex
1000	600	600	690
150 / 50	150 / -	150 / -	133 / 50

**Ordering data**

Description	Color
<b>Terminal block</b>	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Terminal block base, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type	Order No.	Pcs. / Pkt.
<b>UKH 50</b>	① 3009118	10
<b>UKH 50 BU</b>	① 3009105	10
<b>USLKG 50</b>	② 0443049	10

ERC

**Technical data<sup>1)</sup>**

Width	Length	Height
60	75.5	83.5 (NS 35/15) / 81 (NS 32)

I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
150	1000	16 - 70	-

IEC	UL / CUL	CSA	Ex
1000	-	-	-
150 / 50	-	-	-

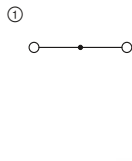
**Ordering data**

Type	Order No.	Pcs. / Pkt.
<b>UKH 50-3L</b>	① 3076634	3
<b>UKH 50-3L/N</b>	① 3076635	2
<b>UKH 50-3L/FE</b>	① 3076636	2
<b>UKH 50-3L/N/FE</b>	① 3076637	2

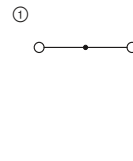
### High-current terminal blocks for direct mounting

**Notes:**

1) For additional accessories and technical data, see page 66.



150 A, feed-through terminal block for direct mounting



150 A, terminal block base for direct mounting

ERC

**Technical data<sup>1)</sup>**

Dimensions	[mm]
Width	20
Length	103.4
Height	76

Max. electrical data	[A]
Max. bridge current	150
Rated data	150
Rated voltage	1000
Nominal current / cross section	150 / 50

Width	Length	Height
20	103.4	76

I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
150	1000	16 - 70	-

IEC	UL / CUL	CSA	Ex
1000	-	-	-
150 / 50	-	-	-

**Ordering data**

Description	Color
<b>Terminal block, for direct mounting</b>	gray
<b>Terminal block base, for direct mounting, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type	Order No.	Pcs. / Pkt.
<b>UKH 50-F</b>	① 3247019	10

ERC

**Technical data<sup>1)</sup>**

Width	Length	Height
60	103.4	76

I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
150	1000	16 - 70	-

IEC	UL / CUL	CSA	Ex
1000	-	-	-
150 / 50	-	-	-

**Ordering data**

Type	Order No.	Pcs. / Pkt.
<b>UKH 50-3L-F</b>	① 3076638	3
<b>UKH 50-3L/N-F</b>	① 3076639	2
<b>UKH 50-3L/FE-F</b>	① 3076640	3
<b>UKH 50-3L/N/FE-F</b>	① 3076641	2

# Terminal blocks - CLIPLINE complete

## 70 mm<sup>2</sup> UKH... screw connection terminal blocks

### General technical data for 70 mm<sup>2</sup> UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	70			
Cross section range	AWG	4 - 3/0			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	16 - 95	25 - 70	16 - 70	16 - 70
2 conductors (of the same type)	[mm <sup>2</sup> ]	16 - 25	16 - 25	16 - 25	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
General data					
Stripping length	[mm]	24			
Screw thread		M8			
Tightening torque	[Nm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		VO			

Note: additional or deviating data is documented for the product.

#### Notes:

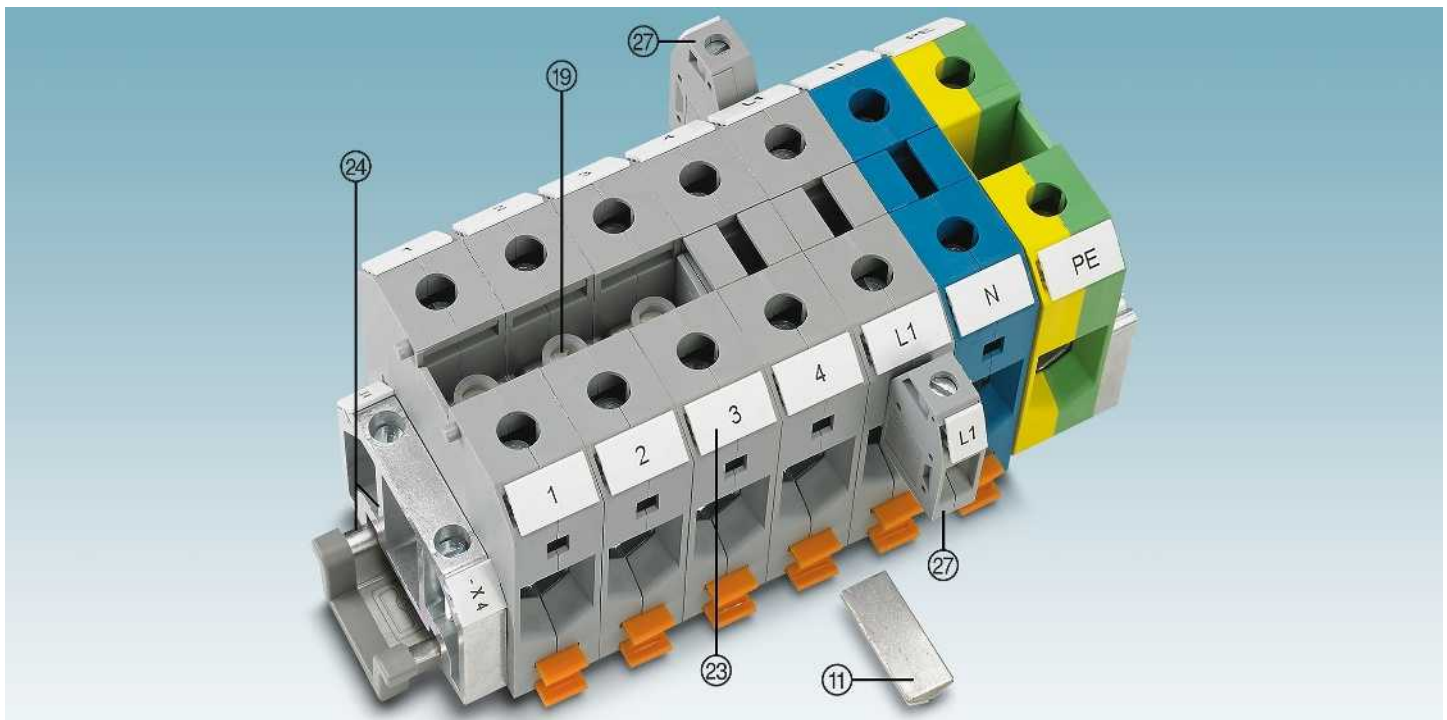


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

1) The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 70 mm<sup>2</sup> UKH... screw connection terminal blocks



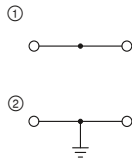
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Ⓒ Fixed bridge <sup>1)</sup>	2	silver	FBI 2-20 N	3213195	10			
	3	silver	FBI 3-20 N	3213205	10			
Ⓘ Insertion profile for flat conductor connection, see page 496		silver	UKH 50 EP	3009228	10			
Ⓙ Tap-off terminal block		gray	AGK 10-UKH 50	3001763	10			
Allen key			VDE-ISS 6	1201934	1			
Ⓜ Lateral groove marking			UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.					
Ⓝ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

### High-current terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 68.

For information on installation and using accessories for Ex applications, see page 602.



192 A, feed-through terminal block



192 A, terminal block bases



Ex: SEV12ATEX0168U / IECEx SEV12.0008U

**Technical data<sup>1)</sup>**

Dimensions	[mm]
Width	20.3
Length	70.5
Height	80 (NS 35/7,5) / 85 (NS 32)

Max. electrical data	[A]
Max. bridge current	192
Rated data	
Rated voltage	1000
Nominal current / cross section	192 / 70

Width	Length	Height
20.3	70.5	80 (NS 35/7,5) / 85 (NS 32)

$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1000	16 - 95	6-3/0

IEC	UL / CUL	CSA	Ex
1000	1000	1000	880
192 / 70	192 / -	192 / -	180 / 70

**Ordering data**

Description	Color
<b>Terminal block</b>	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Terminal block base, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type	Order No.	Pcs. / Pkt.
<b>UKH 70</b>	① 3213140	10
<b>UKH 70 BU</b>	① 3244601	10
<b>UKH 70-PE/S</b>	② 3213141	10

ERC

**Technical data<sup>1)</sup>**

Width	Length	Height
60.9	70.5	87.5 (NS 35/15) / 85 (NS 32)

$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1000	16 - 95	-

IEC	UL / CUL	CSA	Ex
1000	-	-	-
192 / 70	-	-	-

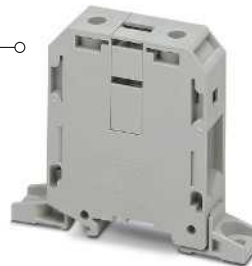
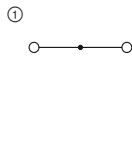
**Ordering data**

Type	Order No.	Pcs. / Pkt.
<b>UKH 70-3L</b>	① 3076329	4
<b>UKH 70-3L/N</b>	① 3076361	3
<b>UKH 70-3L/FE</b>	① 3076400	3
<b>UKH 70-3L/N/FE</b>	① 3076442	2

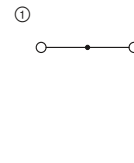
### High-current terminal blocks for direct mounting

**Notes:**

1) For additional accessories and technical data, see page 68.



192 A, feed-through terminal block for direct mounting



192 A, terminal block bases for direct mounting

ERC

**Technical data<sup>1)</sup>**

Dimensions	[mm]
Width	20.3
Length	103.4
Height	80

Max. electrical data	[A]
Max. bridge current	192
Rated data	
Rated voltage	1000
Nominal current / cross section	192 / 70

Width	Length	Height
20.3	103.4	80

$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1000	16 - 95	-

IEC	UL / CUL	CSA	Ex
1000	-	-	-
192 / 70	-	-	-

**Ordering data**

Description	Color
<b>Terminal block, for direct mounting</b>	gray
<b>Terminal block base, for direct mounting, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type	Order No.	Pcs. / Pkt.
<b>UKH 70-F</b>	① 3247051	10

ERC

**Technical data<sup>1)</sup>**

Width	Length	Height
60.9	103.4	80

$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1000	16 - 95	-

IEC	UL / CUL	CSA	Ex
1000	-	-	-
192 / 70	-	-	-

**Ordering data**

Type	Order No.	Pcs. / Pkt.
<b>UKH 70-3L-F</b>	① 3076484	4
<b>UKH 70-3L/N-F</b>	① 3076523	3
<b>UKH 70-3L/FE-F</b>	① 3076565	3
<b>UKH 70-3L/N/FE-F</b>	① 3076604	2

# Terminal blocks - CLIPLINE complete

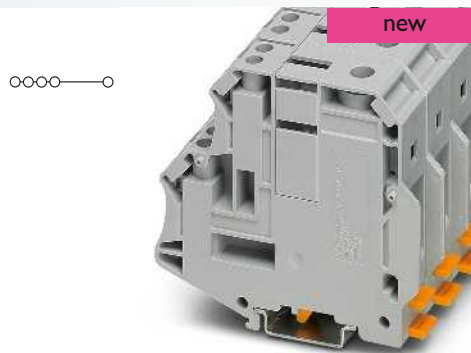
## 70 mm<sup>2</sup> UKH... screw connection terminal blocks

### High-current terminal blocks

**Notes:**  
For additional accessories and technical data, see page 68



- Compact high-current terminal blocks with 1500 V nominal voltage
- For use in renewable power generation - specifically in photovoltaics
- Four integrated pick-off terminal blocks with a 10 mm<sup>2</sup> cross section for a simple power supply or potential distribution
- Compact, space-saving design
- Bridgeable with screw-type bridges for easy potential distribution
- Large-surface marking options



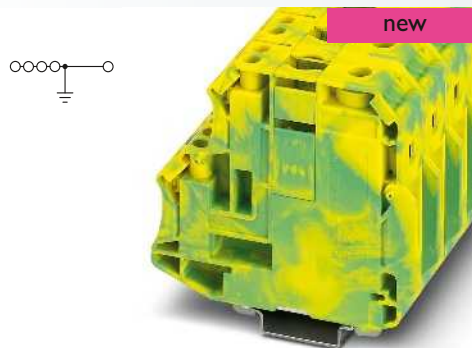
192 A, power terminal, 4 x 10 mm<sup>2</sup> outlets

Dimensions		[mm]
Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		[mm]
<b>Rated data</b>		
Rated voltage	[V]	1500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	192 / -
Rated cross section	[mm <sup>2</sup> ]	70
Cross section range	AWG	4 - 3/0
<b>Supply connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	16 - 95
2 conductors (of the same type)	[mm <sup>2</sup> ]	16 - 25
<b>Branch connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	1.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 4

Technical data			
Width	Length	Height NS 35/7,5	
20.3	88.6	80	
Width	Length	Height NS 35/15	
20.3	88.6	87.5	
Width	Length	Height NS 32	
20.3	88.6	85	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1500	16 - 95	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
<b>Supply connection capacity</b>		Ferrule	
solid	stranded	without/with plastic sleeve	
16 - 95	25 - 70	16 - 70	16 - 70
16 - 25	16 - 25	16 - 25	-
<b>Branch connection capacity</b>		Ferrule	
solid	stranded	without/with plastic sleeve	
1.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-

Description	Color
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green/yellow

Ordering data		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
UKH 70/4X10	3213142	10
UKH 70/4X10 BU	3213143	10



192 A, ground terminal, 4 x 10 mm<sup>2</sup> outlets

**Technical data**

Width	Length	Height NS 35/7,5	
20.3	88.6	80	
Width	Length	Height NS 35/15	
20.3	88.6	87.5	
Width	Length	Height NS 32	
20.3	88.6	85	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1000	16 - 95	-
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
1000	-	-	-
192 / 70	- / -	- / -	-
70	-	-	-
4 - 3/0	-	-	-
solid	stranded	Ferrule	
		without/with plastic sleeve	
16 - 95	25 - 70	16 - 70	16 - 70
16 - 25	16 - 25	16 - 25	-
solid	stranded	Ferrule	
		without/with plastic sleeve	
1.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 2.5	-

**Ordering data**

Type	Order No.	Pcs. / Pkt.
UKH 70/4X10-PE	3213144	10

# Terminal blocks - CLIPLINE complete

## 95 mm<sup>2</sup> UKH... screw connection terminal blocks

### General technical data for 95 mm<sup>2</sup> UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	95			
Cross section range	AWG	4 - 3/0			
Connection capacity		solid	stranded	Ferrule	
1 conductor	[mm <sup>2</sup> ]	25 - 95	35 - 95	35 - 95	35 - 95
2 conductors (of the same type)	[mm <sup>2</sup> ]	25 - 35	25 - 35	16 - 35	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	95	70	-	-
General data					
Stripping length	[mm]	33			
Screw thread		M8			
Tightening torque	[Nm]	15 - 20			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

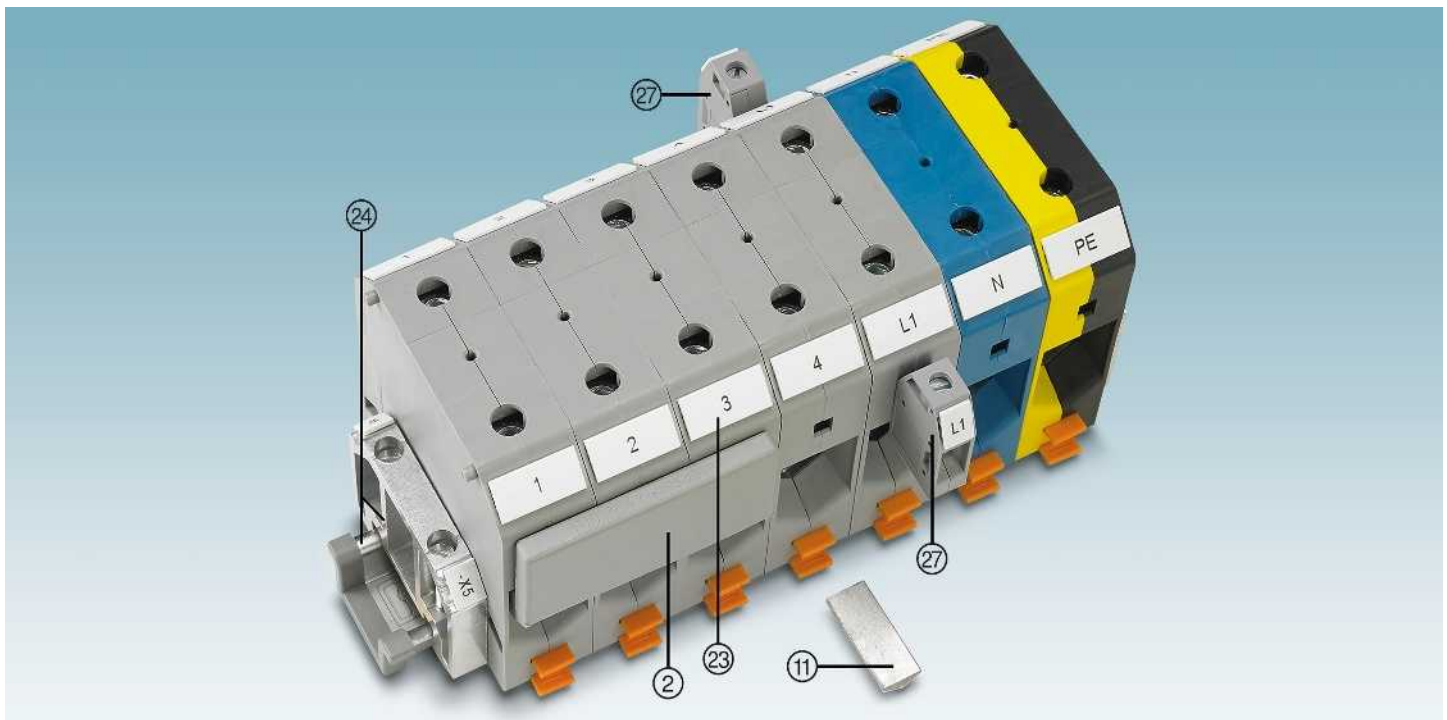


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 95 mm<sup>2</sup> UKH... screw connection terminal blocks

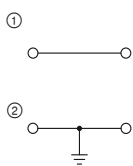


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② Insertion bridge <sup>1)</sup>	2	gray	EB 2-25/UKH	0201362	10			
	3	gray	EB 3-25/UKH	0201375	10			
①① Insertion profile for flat conductor connection, see page 496.		silver	UKH 95 EP	3009231	10			
②② Tap-off terminal block		gray	AGK 10-UKH 95	3003541	10			
Allen key			VDE-ISS 6	1201934	1			
②③ Lateral groove marking			UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.					
②④ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>			Note: additional or deviating accessories are documented for the product.					



### High-current terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 72.  
 For information on installation and using accessories for Ex applications, see page 602.



232 A, feed-through terminal block



232 A, terminal block base

Ex: 
  
 KEMA 98ATEX1786U / IECEx KEM 06.0029U

Dimensions	[mm]
Width	25
Length	83
Height	97.5 (NS 35/15) / 95 (NS 32)

Max. electrical data	[A]
Max. bridge current	232
Rated data	232
Rated voltage	1000
Nominal current / cross section	232 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
25	83	97.5 (NS 35/15) / 95 (NS 32)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1000	25 - 95	2-4/0
IEC	UL / CUL	CSA	Ex
1000	600	600	880
232 / 95	230 / -	200 / -	216 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
75	82.8	97.5 (NS 35/15) / 95 (NS 32)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1000	25 - 95	2-4/0
232			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
232 / 95	230 / -	-	-

Description	Color
<b>Terminal block</b>	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Terminal block base, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>UKH 95</b>	① 3010013	3	
<b>UKH 95 BU</b>	① 3010136	3	
<b>USLKG 95</b>	② 0441041	10	

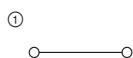
Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>UKH 95-3L</b>	① 3076332	3	
<b>UKH 95-3L/N</b>	① 3076374	2	
<b>UKH 95-3L/FE</b>	① 3076413	2	
<b>UKH 95-3L/N/FE</b>	① 3076455	2	

### High-current terminal blocks for direct mounting

**Notes:**  
 1) For additional accessories and technical data, see page 72.



232 A, feed-through terminal block for direct mounting



232 A, terminal block bases for direct mounting

Dimensions	[mm]
Width	25
Length	118.8
Height	90

Max. electrical data	[A]
Max. bridge current	232
Rated data	232
Rated voltage	1000
Nominal current / cross section	232 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
25	118.8	90	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1000	25 - 95	2-4/0
IEC	UL / CUL	CSA	Ex
1000	600	-	-
232 / 95	230 / -	-	-

Technical data <sup>1)</sup>			
Width	Length	Height	
75	118.8	90	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1000	25 - 95	-
232			
IEC	UL / CUL	CSA	Ex
1000	-	-	-
232 / 95	-	-	-

Description	Color
<b>Terminal block, for direct mounting</b>	gray
<b>Terminal block base, for direct mounting, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>UKH 95-F</b>	① 3247022	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>UKH 95-3L-F</b>	① 3076497	4	
<b>UKH 95-3L/N-F</b>	① 3076536	2	
<b>UKH 95-3L/FE-F</b>	① 3076578	2	
<b>UKH 95-3L/N/FE-F</b>	① 3076617	2	

# Terminal blocks - CLIPLINE complete

## 150 mm<sup>2</sup> UKH... screw connection terminal blocks

### General technical data for 150 mm<sup>2</sup> UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1			
Rated cross section	[mm <sup>2</sup> ]	150			
Cross section range	AWG	2 - 300 kcmil			
Connection capacity		solid	stranded	Ferrule	
				without	with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	35 - 150	50 - 150	50 - 150	50 - 150
2 conductors (of the same type)	[mm <sup>2</sup> ]	25 - 50	35 - 50	25 - 50	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	150	120	-	-
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

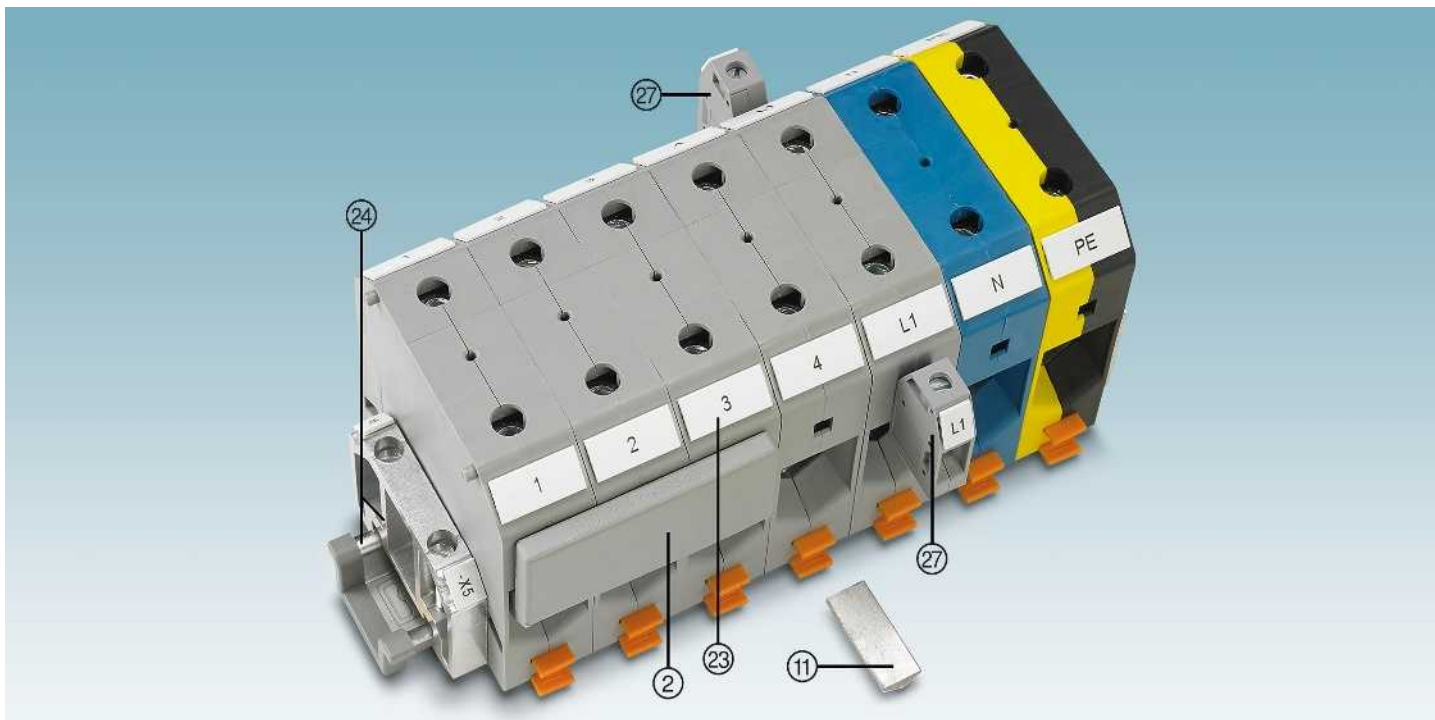


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

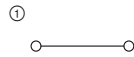
### System accessories for 150 mm<sup>2</sup> UKH... screw connection terminal blocks



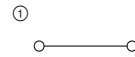
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② Insertion bridge <sup>1)</sup>	2	gray	EB 2-31/UKH	0201388	10			
	3	gray	EB 3-31/UKH	0201391	10			
⑪ Insertion profile for flat conductor connection, see page 496.		silver	UKH 150/240 EP	3009244	10			
⑦ Tap-off terminal block		gray	AGK 10-UKH 150/240	3003554	10			
Allen key			VDE-ISS 8	1201947	1			
⑳ Lateral groove marking			UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.					
㉑ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>			Note: additional or deviating accessories are documented for the product.					

### High-current terminal blocks

**Notes:**  
1) For additional accessories and technical data, see page 74.  
For information on installation and using accessories for Ex applications, see page 602.



309 A, feed-through terminal block



309 A, terminal block base



Ex: KEMA 99ATEX8332 U / IECEx KEM 06.0030U



Technical data <sup>1)</sup>			
Width	Length	Height	
31	100	118.5 (NS 35/15) / 116 (NS 32)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
309	1000	35 - 150	2-300
300			
IEC	UL / CUL	CSA	Ex
1000	600	600	1100
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
309 / 150	285 / - 275 / - 256 / 150		

Technical data <sup>1)</sup>			
Width	Length	Height	
93	100	118.5 (NS 35/15) / 116 (NS 32)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
309	1000	35 - 150	2-300
300			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
309 / 150	285 / - - -		

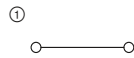
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 150	3010110	3	
UKH 150 BU	3010123	3	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 150-3L	3076345	3	
UKH 150-3L/N	3076387	2	
UKH 150-3L/FE	3076426	2	
UKH 150-3L/N/FE	3076468	2	

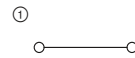
Description	Color
<b>Terminal block</b>	gray
	blue
<b>Terminal block base, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

### High-current terminal blocks for direct mounting

**Notes:**  
1) For additional accessories and technical data, see page 74.



309 A, feed-through terminal block for direct mounting



309 A, terminal block bases for direct mounting



Technical data <sup>1)</sup>			
Width	Length	Height	
31	136.1	111	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
309	1000	35 - 150	2-300
300			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
309 / 150	285 / - - -		

Technical data <sup>1)</sup>			
Width	Length	Height	
93	136.1	111	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
309	1000	35 - 150	-
300			
IEC	UL / CUL	CSA	Ex
1000	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
309 / 150	285 / - - -		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 150-F	3247035	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 150-3L-F	3076507	4	
UKH 150-3L/N-F	3076549	2	
UKH 150-3L/FE-F	3076581	2	
UKH 150-3L/N/FE-F	3076620	2	

Description	Color
<b>Terminal block, for direct mounting</b>	gray
<b>Terminal block base, for direct mounting, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

# Terminal blocks - CLIPLINE complete

## 240 mm<sup>2</sup> UKH... screw connection terminal blocks

### General technical data for 240 mm<sup>2</sup> UKH... screw connection terminal blocks

Rated data		IEC 60947-7-1			
Rated cross section	[mm <sup>2</sup> ]	240			
Cross section range	AWG	2/0 - 500 kcmil			
Connection capacity		solid	stranded	Ferrule	
1 conductor	[mm <sup>2</sup> ]	70 - 240	70 - 240	70 - 185	70 - 185
2 conductors (of the same type)	[mm <sup>2</sup> ]	35 - 95	50 - 95	35 - 50	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	240	185	-	-
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

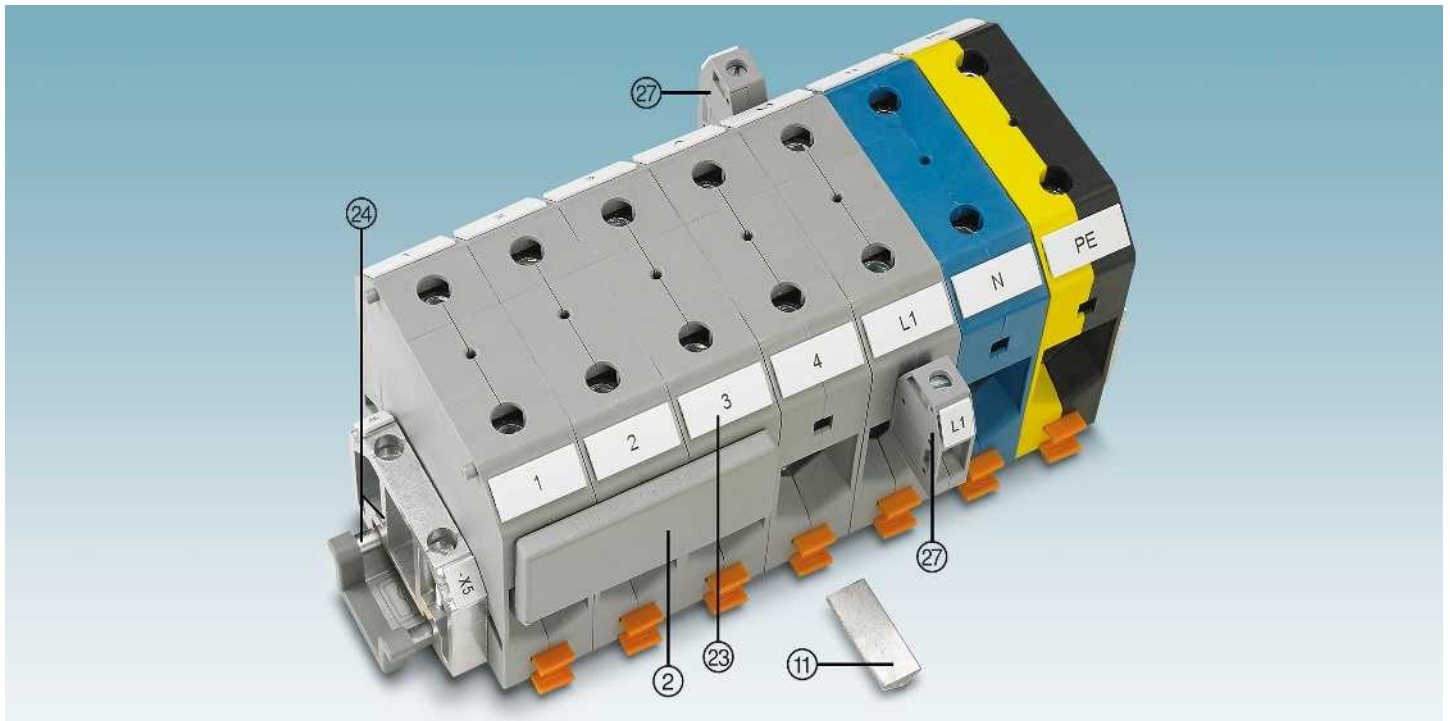


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

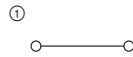
### System accessories for 240 mm<sup>2</sup> UKH... screw connection terminal blocks



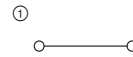
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② Insertion bridge <sup>1)</sup>	2	gray	EB 2-36/UKH	0201401	10			
	3	gray	EB 3-36/UKH	0201414	10			
⑪ Insertion profile for flat conductor connection, see page 496.		silver	UKH 150/240 EP	3009244	10			
⑦ Tap-off terminal block		gray	AGK 10-UKH 150/240	3003554	10			
Allen key			VDE-ISS 8	1201947	1			
② Lateral groove marking			UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.					
④ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>			Note: additional or deviating accessories are documented for the product.					

### High-current terminal blocks

**Notes:**  
1) For additional accessories and technical data, see page 76.  
For information on installation and using accessories for Ex applications, see page 602.



415 A, feed-through terminal block



415 A, terminal block bases



Ex: KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Technical data <sup>1)</sup>			
Width	Length	Height	
36	100	131.5 (NS 35/15) / 129 (NS 32)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
415	1000	70 - 240	2/0-500
382			
IEC	UL / CUL	CSA	Ex
1000	600	600	1100
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
415 / 240	380 / - 400 / - 350 / 240		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 240	3010217	3	
UKH 240 BU	0711852	3	

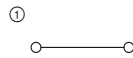


Technical data <sup>1)</sup>			
Width	Length	Height	
108	100	131.5 (NS 35/15) / 129 (NS 32)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
415	1000	70 - 240	2/0-500
382			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
415 / 240	380 / - - -		

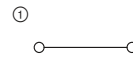
Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 240-3L	3076358	3	
UKH 240-3L/N	3076390	2	
UKH 240-3L/FE	3076439	2	
UKH 240-3L/N/FE	3076471	2	

### High-current terminal blocks for direct mounting

**Notes:**  
1) For additional accessories and technical data, see page 76.



415 A, feed-through terminal block for direct mounting



415 A, terminal block bases for direct mounting



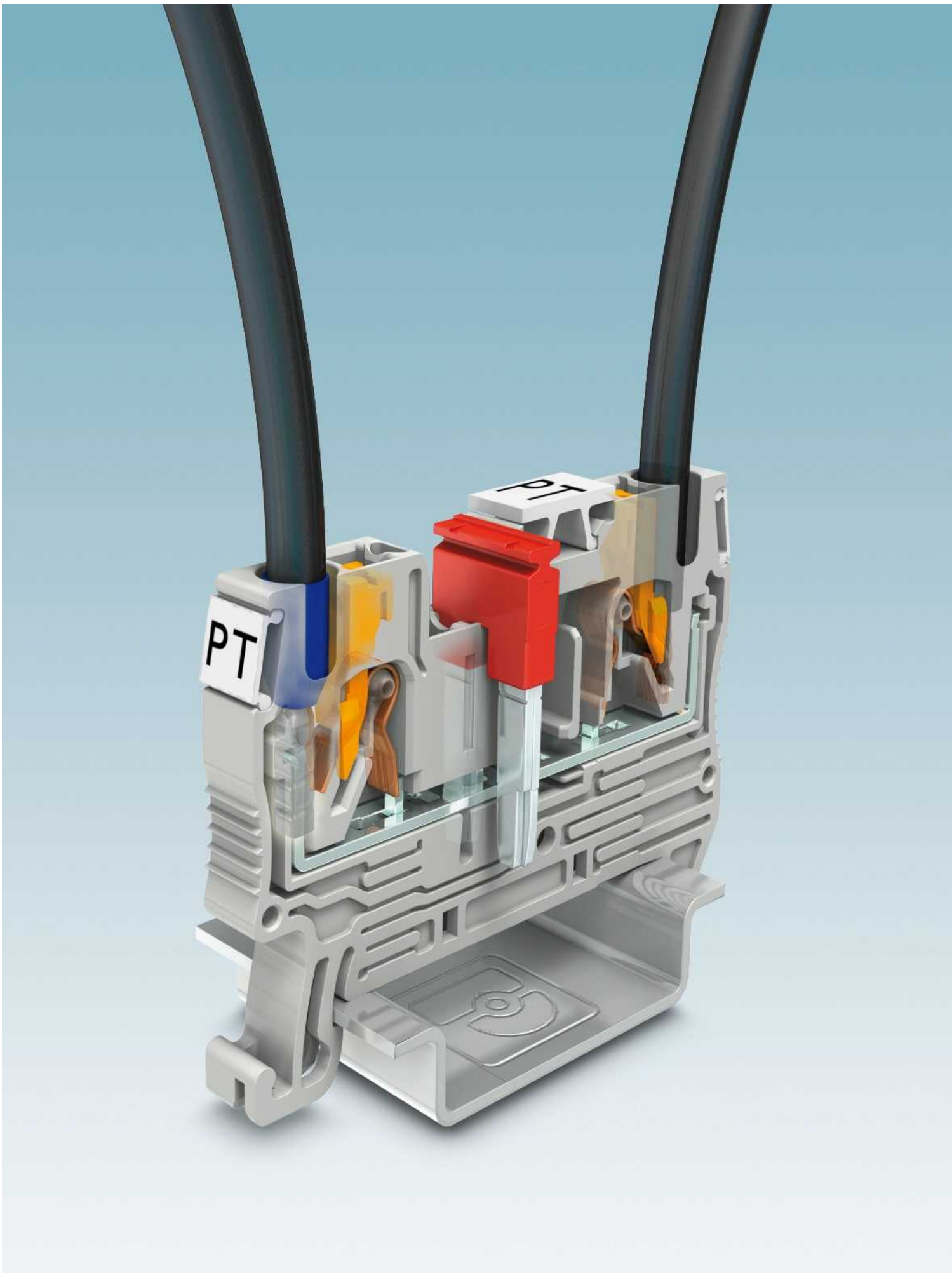
Technical data <sup>1)</sup>			
Width	Length	Height	
36	136.1	124	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
415	1000	70 - 240	2/0-500
382			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
415 / 240	380 / - - -		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 240-F	3247048	10	



Technical data <sup>1)</sup>			
Width	Length	Height	
108	136.1	124	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
415	1000	70 - 240	-
382			
IEC	UL / CUL	CSA	Ex
1000	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
415 / 240	- - -		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UKH 240-3L-F	3076510	4	
UKH 240-3L/N-F	3076552	2	
UKH 240-3L/FE-F	3076594	2	
UKH 240-3L/N/FE-F	3076633	2	



# PT... push-in connection terminal blocks

The PT... push-in connection terminal blocks from the CLIPLINE complete system have been developed for direct conductor connection and offer a wide range of application options. Easy handling and direct, tool-free connection with up to 50 percent lower insertion forces are the key advantages of this terminal technology. When solid conductors from 0.25 mm<sup>2</sup> or conductors with ferrules from 0.34 mm<sup>2</sup> are inserted, the contact spring is automatically opened and provides the required pressure force against the current bar.

The integrated actuation lever allows you to release conductors or to connect small conductor cross sections from 0.14 mm<sup>2</sup> with any type of tool - easily and without direct contact with live parts.

The PT... connection technology has been tested and approved for a range of approvals. These include, for example, vibration resistance according to railway standard EN 50155 and shock and corrosion resistance according to current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).

## Product range overview

### 1.5 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	87
Initiator/actuator terminal blocks	89
Knife disconnect terminal blocks	90
Marshalling terminals	92
Marshalling patchboards	99
Desk-design terminal blocks	108
Mini feed-through terminal blocks and ground terminals	109

### 2.5 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	111
Disconnect and knife disconnect terminal blocks	113
Diode terminal blocks	121
Hybrid terminal blocks with screw connection on one side	123
Desk-design terminal blocks	124
Desk-design disconnect and knife disconnect terminal blocks	125
Installation terminal blocks	126
Mini feed-through terminal blocks and ground terminals	131

### 4 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	133
Fuse terminal blocks	134
Disconnect and knife disconnect terminal blocks	135
Test disconnect terminal blocks	136
Diode terminal blocks	137
Hybrid terminal blocks with screw connection on one side	137
Installation terminal blocks	138

### 6 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	141
Test disconnect terminal blocks	142
Hybrid terminal blocks with screw connection on one side	143
Installation terminal blocks	145

### 10 mm<sup>2</sup>

Feed-through and multi-conductor terminal blocks and ground terminals	147
Fuse terminal blocks	147

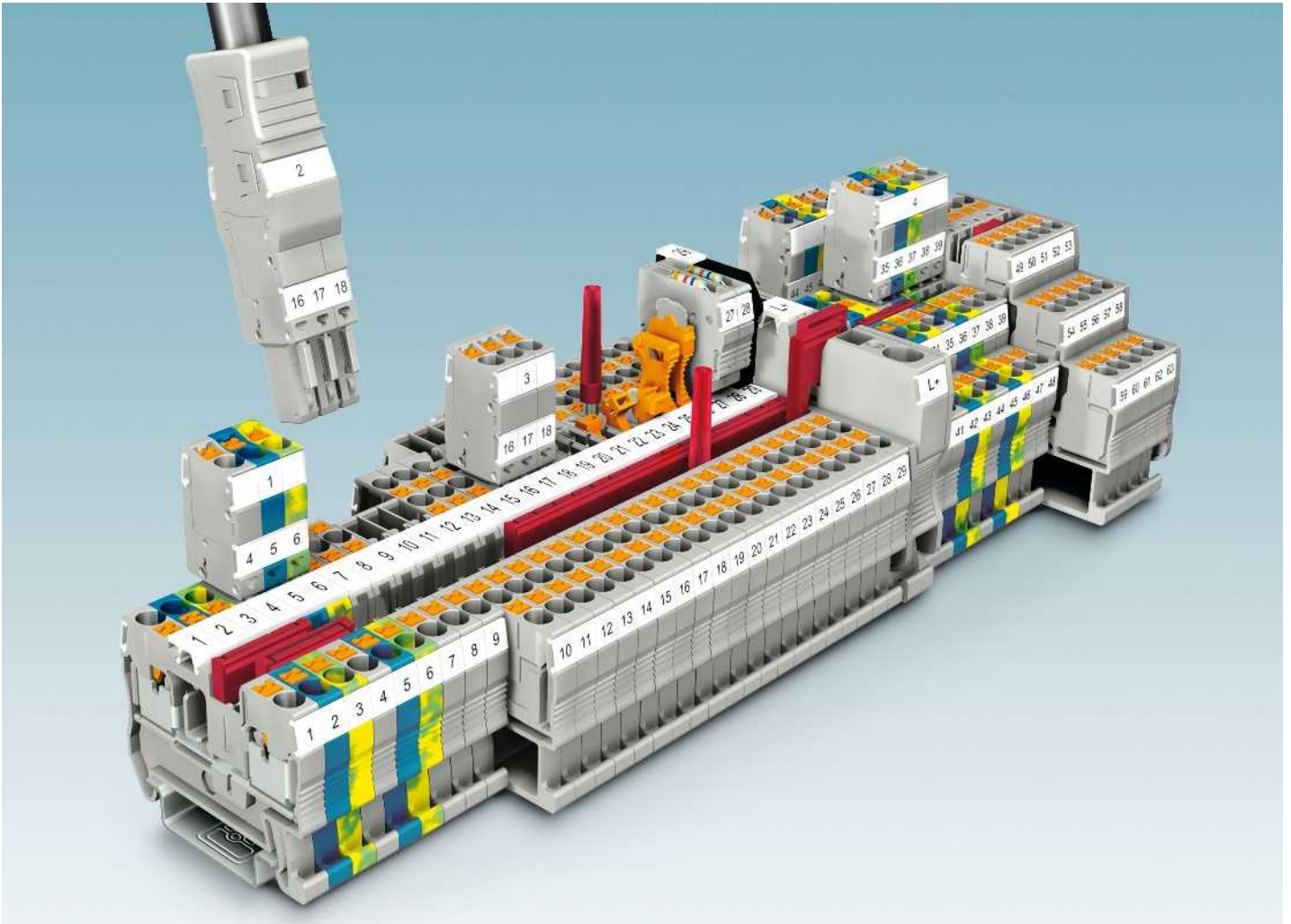
### 16 mm<sup>2</sup>

Feed-through and multi-conductor terminal blocks and ground terminals	149
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<b>PTPOWER Power-Turn high-current terminal blocks 35 mm<sup>2</sup> - 150 mm<sup>2</sup></b>	<b>150</b>
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# Terminal blocks - CLIPLINE complete

## PT... push-in connection terminal blocks



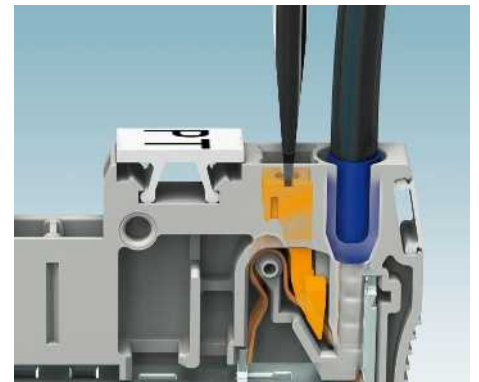
### Push-in connection technology

The PT... series is characterized by the easy, direct conductor connection and makes consistent use of the benefits of the CLIPLINE complete system.



### Easy insertion

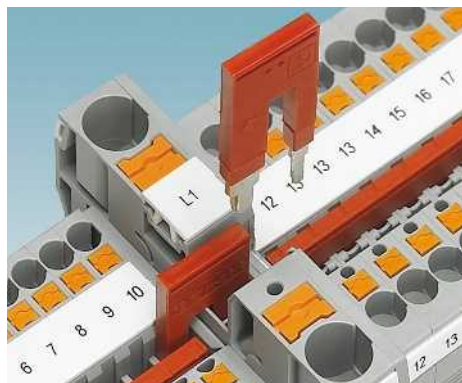
The up to 50 percent reduction in insertion force offered by push-in technology supports simple and direct insertion of solid and stranded conductors featuring ferrules with a cross section of 0.34 mm<sup>2</sup> or higher.



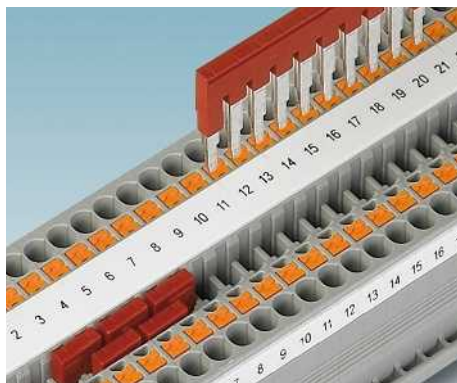
### Latch function

The integrated latch allows you to release connections with any type of tool – easily and without direct contact with live parts.

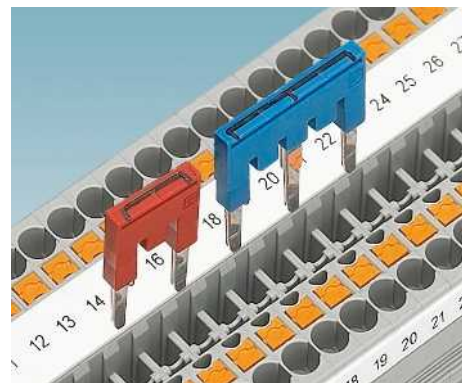




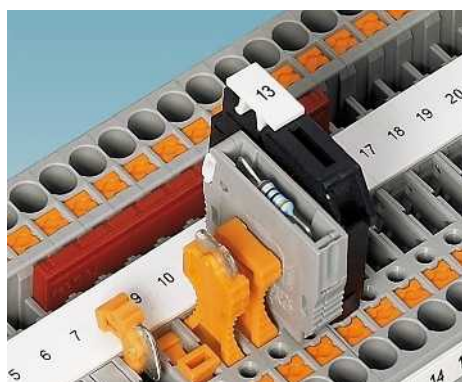
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease, e.g., a PT 10 push-in terminal block to a PT 2,5. Power blocks can be created quickly using the reducing bridge.



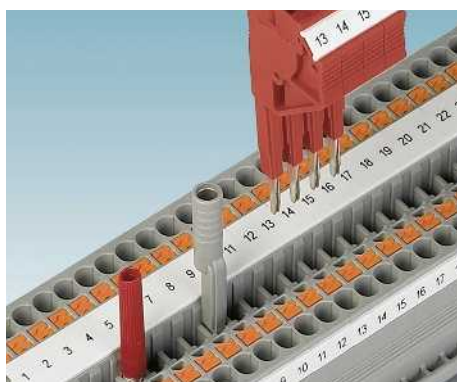
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



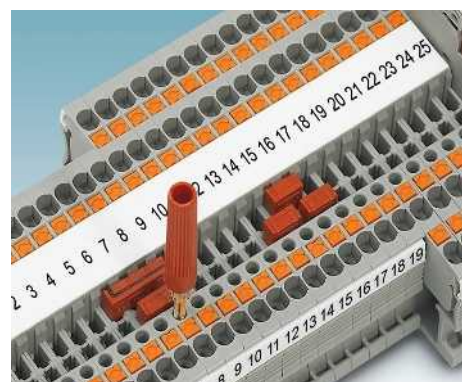
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



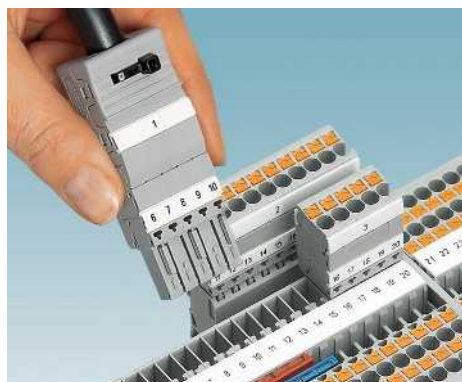
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



As well as offering a testing facility in the double function shaft, all push-in technology terminal blocks offer an additional test contact for test plugs with a 2.3 mm diameter.



Push-in COMBI terminal blocks are available for the plug-in configuration of signal wiring. The system is touch-proof and offers plugs for self-assembly with extensive accessories.



Automatic flat-type fuse terminal blocks with a 4 mm<sup>2</sup> conductor connection are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.



The compact lever-type fuse terminal blocks are of the same shape as the feed-through terminal blocks and can be printed and bridged continuously. A time-saving potential distribution is easily created using bridging between non-adjacent terminal blocks.

## Terminal blocks - CLIPLINE complete

### PT... push-in connection terminal blocks

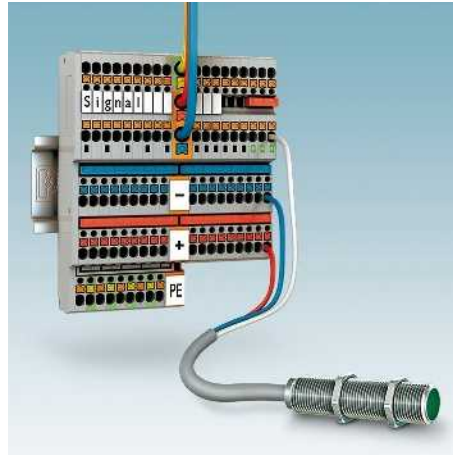
#### PT... feed-through, multi-conductor, and multi-level terminal blocks



- Optimum ergonomics for tool-free wiring thanks to the integrated actuation lever
- Easy insertion with pre-assembled conductor from 0.25 mm<sup>2</sup>
- Clear identification of terminal point and operating area provides optimum protection against wiring errors
- Universal handling using any suitable tool
- Double function shafts for potential distribution
- Individual testing facility for every current path

**i** Your web code: #0068

#### PTIO... three-conductor initiator/actuator terminal block



- Space-saving wiring of initiators and actuators with an overall width of just 3.5 mm
- Compact design for maximum signal density
- Power terminals enable individual distribution of the positive and negative potential via FBS... jumpers
- Versions with LED display indicate switching states
- Large identification of the wiring levels

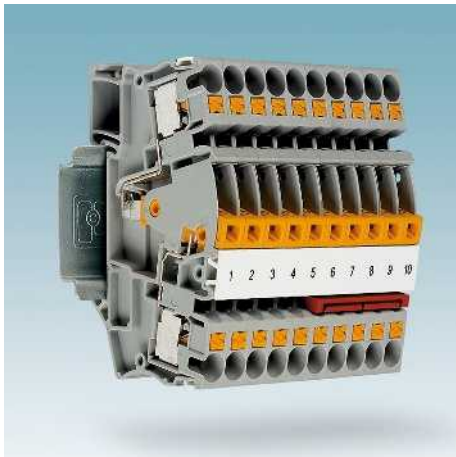
**i** Your web code: #0069

#### PT... and PTT... knife disconnect terminal blocks



- Convenient disconnection of measuring and closed-loop control circuits by means of a disconnect knife
- Disconnect knife reliably snapped into the limit positions
- Flexible testing facilities on both sides of the disconnect point
- Optional snap-in switching lock effectively prevents unintentional switching
- Universal disconnect zone for also accommodating isolating plugs, feed-through connectors, component connectors, and fuse plugs

**i** Your web code: #0070

**PTME... test disconnect terminal blocks**

- Convenient wiring of current transformer measuring circuits
- Safe longitudinal and perpendicular disconnection of the current paths
- The switch units are latched in the respective limit positions
- Unintentional switching is prevented by means of optional switching locks
- Up to six function shafts integrated per terminal block for potential distribution and testing

**i** Your web code: **#0071**

**PTRV... marshalling terminals**

- Marshalling terminals with a space-saving design
- Signal wiring on four or eight levels
- Color coding in up to eleven colors for clear identification of the wiring levels
- Patented double connection for reliable contacting
- Testing facility on every double connection

**i** Your web code: **#0160**

**PTMC... marshalling patchboards**

- Modular marshalling patchboards with stackable concept
- Front and rear wiring
- Individual color coding of the terminal points
- Easy and clear wiring thanks to push-in connection technology
- Convenient testing facility and marking option for the terminal points
- Various mounting methods on different carrier systems

**i** Your web code: **#0161**

# Terminal blocks - CLIPLINE complete

## PT... push-in connection terminal blocks

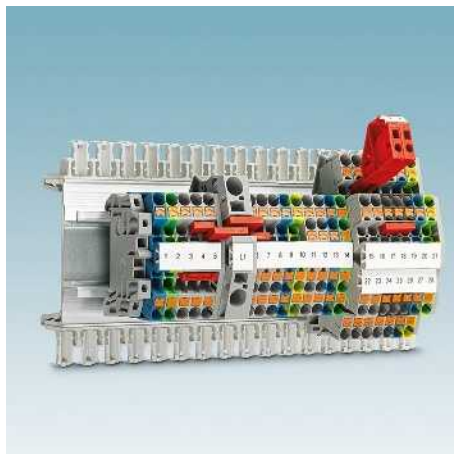
### PTU... hybrid terminal blocks



- PT... mixed connection with screw connection technology on one side
- Quick and easy push-in connection for the internal control cabinet wiring
- Universal screw connection for the end user's external wiring
- Double bridging supported throughout and compatible with all standard terminal blocks
- Internal TWIN connection for compact potential distribution

**i** Your web code: **#0068**

### Feed-through and multi-conductor terminal blocks in PTS..., PTS...-TWIN desk design



- Angled design enables minimized bending radii for better conductor routing
- Designed for use on wiring frames instead of typical channel wiring
- Compact design from 3.5 mm horizontal pitch
- Two-, three-, and four-conductor terminal blocks with the same contour

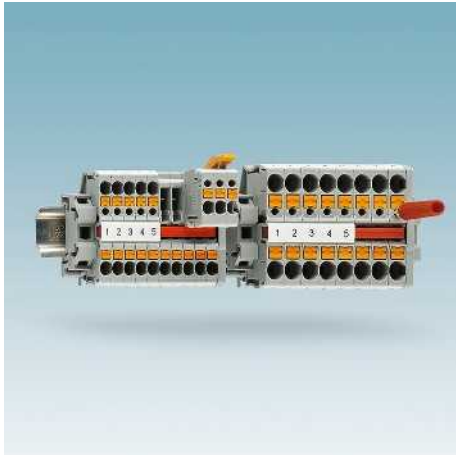
**i** Your web code: **#0072**

### PTI... installation terminal blocks



- Compact installation distributor terminal blocks for single-/three-phase applications
- Double function shafts for fast potential distribution on every level
- Fast and reliable neutral conductor disconnection with snap-lock mechanism in the limit positions
- Can be mounted and removed flexibly as a group without having to remove the busbar
- Large-surface marking and testing facility for every terminal point

**i** Your web code: **#0073**

**MPT... miniature terminal blocks**

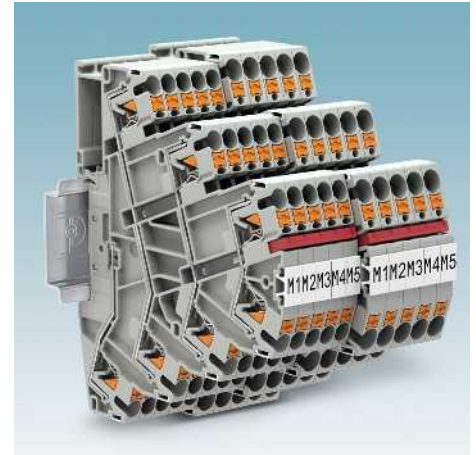
- Miniature terminal block for 15 mm DIN rail systems
- Extremely compact design for use in small control boxes
- Testing facility for every current path
- Can be jumpered with the patented FBS... jumper system
- Protective conductor terminal blocks of the same shape
- Plug-in version with COMBI plug-in connection on one side, e.g., for quick wiring of pre-assembled cables
- Powerful contact up to 24 A

**i** Your web code: **#0075**

**PTPOWER Power-Turn high-current terminal blocks**

- High-current spring terminal with patented Power-Turn connection
- Quick and easy wiring of conductor cross sections up to 150 mm<sup>2</sup>
- Alternative direct plug-in of the conductor, e.g., in confined mounting positions
- Easy potential distribution by means of insertion bridges that can be locked
- Tap-off terminal blocks that can be snapped on on both sides enable voltage tap-off of up to 4 x 16 mm<sup>2</sup> per terminal block
- Installation on 35 mm DIN rail or as flange solution for direct mounting

**i** Your web code: **#0158**

**Motor terminals**

- Compact four-level terminals for wiring three-phase loads
- Three phases and protective conductor terminal in a single terminal
- Bridging facility on each level for potential distribution or star-delta applications
- Testing facility on each level
- Large-surface marking for every terminal point
- Powerful contact up to 32 A

**i** Your web code: **#0159**

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### General technical data for 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

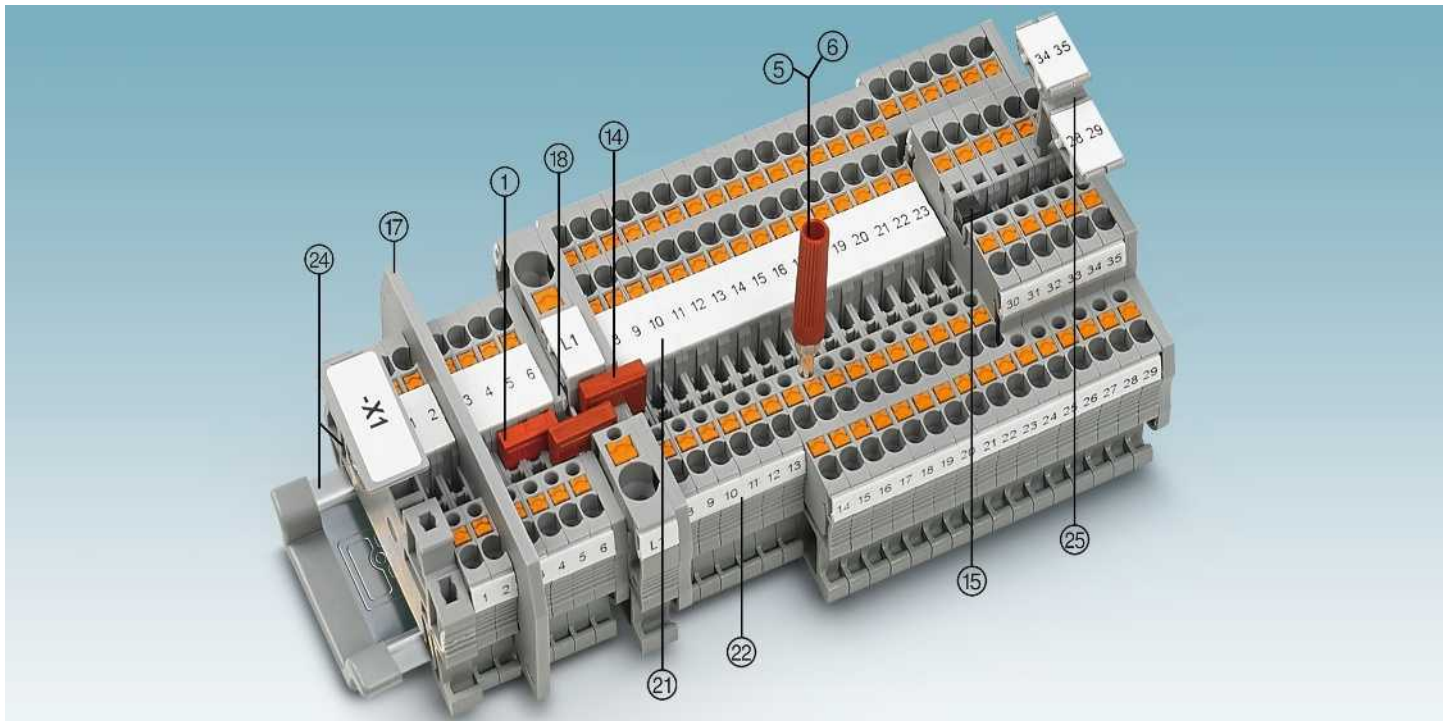


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks



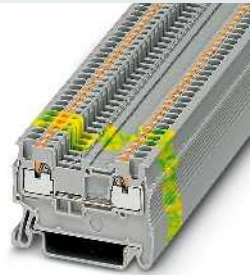
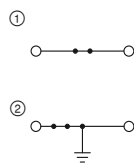
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-3,5	3213014	50			
	3	red	FBS 3-3,5	3213027	50			
	4	red	FBS 4-3,5	3213030	50			
	5	red	FBS 5-3,5	3213043	50			
	10	red	FBS 10-3,5	3213056	50			
	20	red	FBS 20-3,5	3213069	50			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
Screwdriver			SZF 0-0,4X2,5	1204504	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Vertical potential bridge	For FBS 1,5/S-PV ..., see page 341.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Center groove marking	UCT-TM 3,5 or ZB 3,5. See also Catalog 5, selection tables from page 100.
⑳ Center and lateral groove Marking	UCT-TMF 3,5 or ZBF 3,5. See also Catalog 5, selection tables from page 100.
㉑ DIN rails and end brackets	See Catalog 5.
㉒ Marker carrier	For STP ..., see page 352.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 86.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block

UL, IEC, ENEC, CE, ClassNK, CB  
 Ex: Ex IIC  
 SEV13ATEX0159U / IECEx SEV13.0005U

Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	45	32 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	600	600	352	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
17.5 / 1.5	15 / - 15 / - 15 / 1.5			

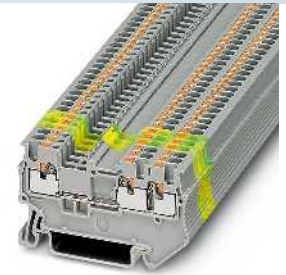
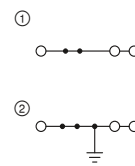
Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 1,5/S	① 3208100	50
PT 1,5/S BU	① 3208126	50
PT 1,5/S-PE	② 3208139	50

Accessories <sup>1)</sup>		
D-PT 1,5/S	Order No.	Pcs. / Pkt.
D-PT 1,5/S	3208142	50

Dimensions	[mm]
Width	3.5
Length	45
Height	32 (NS 35/7,5)
Max. electrical data	
I <sub>max.</sub> [A]	17.5
U <sub>max.</sub> [V]	500
Max. bridge current	17.5 [A]
Rated data	
Rated voltage	500 [V]
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



17.5 A, feed-through terminal block, 3 connections

UL, IEC, ENEC, CE, ClassNK, CB  
 Ex: Ex IIC  
 SEV13ATEX0159U / IECEx SEV13.0005U

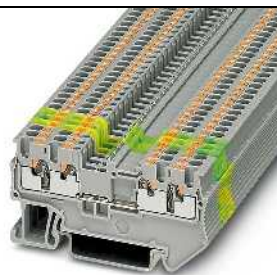
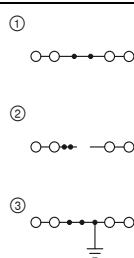
Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	54	32 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	600	600	352	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
17.5 / 1.5	15 / - 15 / - 15 / 1.5			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 1,5/S-TWIN	① 3208155	50
PT 1,5/S-TWIN BU	① 3208168	50
PT 1,5/S-TWIN-PE	② 3208171	50

Accessories <sup>1)</sup>		
D-PT 1,5/S-TWIN	Order No.	Pcs. / Pkt.
D-PT 1,5/S-TWIN	3208184	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 86.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block, 4 connections

UL, IEC, ENEC, CE, ClassNK, CB  
 Ex: Ex IIC  
 SEV13ATEX0159U / IECEx SEV13.0005U

Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	63.2	32 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	600	600	352	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
17.5 / 1.5	15 / - 15 / - 15 / 1.5			

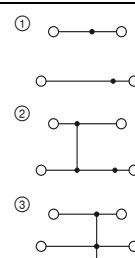
Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 1,5/S-QUATTRO	① 3208197	50
PT 1,5/S-QUATTRO BU	① 3208208	50
PT 1,5/S-QUATTRO-U	② 3208359	50
PT 1,5/S-QUATTRO-PE	③ 3208333	50

Accessories <sup>1)</sup>		
D-PT 1,5/S-QUATTRO	Order No.	Pcs. / Pkt.
D-PT 1,5/S-QUATTRO	3208375	50

Dimensions	[mm]
Width	3.5
Length	63.2
Height	32 (NS 35/7,5)
Max. electrical data	
I <sub>max.</sub> [A]	17.5
U <sub>max.</sub> [V]	500
Max. bridge current	17.5 [A]
Rated data	
Rated voltage	500 [V]
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
with interrupted current bar	gray
with potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



16 A, double-level terminal block, 4 connections

UL, IEC, ENEC, CE, ClassNK  
 Ex: Ex IIC  
 SEV13ATEX0159U / IECEx SEV13.0005U

Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	65.4	42.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	500	0.14 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	600	600	352	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
16 / 1.5	15 / - 15 / - 14.5 / 1.5			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTTB 1,5/S	① 3208511	50
PTTB 1,5/S BU	① 3208524	50
PTTB 1,5/S-PV	② 3208540	50
PTTB 1,5/S-PE	③ 3208537	50

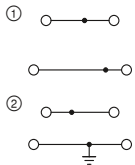
Accessories <sup>1)</sup>		
D-PTTB 1,5/S	Order No.	Pcs. / Pkt.
D-PTTB 1,5/S	3208579	50

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Multi-level terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 86.



**16 A, double-level terminal block, 4 connections**

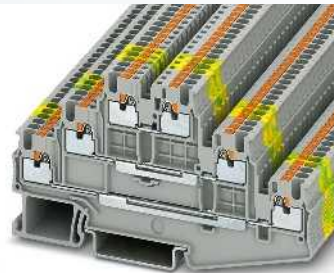
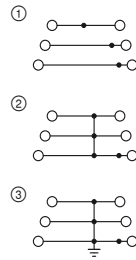


Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	65.4	42.6 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	500	0.14 - 1.5	26-14	
Max. bridge current	17.5 [A]			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	16 / 1.5	15 / -	15 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 1,5/S-L/N	① 3208544	50	
PTTB 1,5/S-PE/L	② 3208553	50	
PTTB 1,5/S-PE/N	② 3208566	50	

Accessories <sup>1)</sup>			
D-PTTB 1,5/S	3208579	50	

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray
	blue
upper level blue with potential distribution	gray
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray



**15 A, multi-level terminal block, 6 connections**



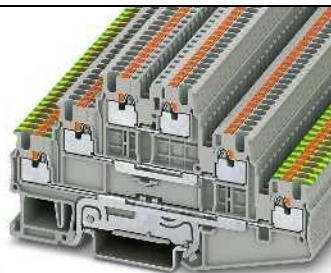
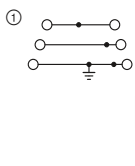
Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	97.2	53.2 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
15	500	0.14 - 1.5	26-14	
Max. bridge current	17.5 [A]			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	15 / 1.5	15 / -	15 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 1,5/S-3L	① 3213713	50	
PT 1,5/S-3L BU	① 3213726	50	
PT 1,5/S-3PV	② 3213742	50	
PT 1,5/S-3PE	③ 3213739	50	

Accessories <sup>1)</sup>			
D-PT 1,5/S-3L	3113771	50	

### Multi-level terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 86.



**15 A, multi-level terminal block with PE foot**

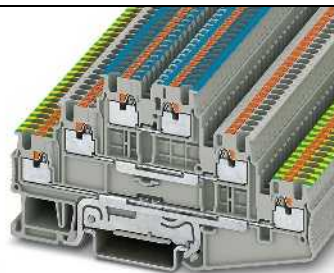
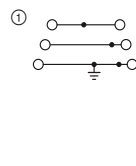


Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	97.2	53.2 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
15	500	0.14 - 1.5	26-14	
Max. bridge current	17.5 [A]			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	15 / 1.5	15 / -	15 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 1,5/S-PE/L/L	① 3213768	50	

Accessories <sup>1)</sup>			
D-PT 1,5/S-3L	3113771	50	

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray
<b>Cover, width 2.2 mm</b>	gray



**15 A, multi-level terminal block with PE foot, upper level printed blue**



Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	97.2	53.2 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
15	500	0.14 - 1.5	26-14	
Max. bridge current	17.5 [A]			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	15 / 1.5	15 / -	15 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 1,5/S-PE/L/N	① 3213755	50	

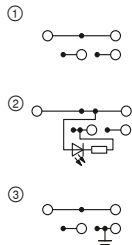
Accessories <sup>1)</sup>			
D-PT 1,5/S-3L	3113771	50	



### Initiator/actuator terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 86.



**13.5 A, three-conductor initiator terminal block**



**Technical data<sup>1)</sup>**

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Width	Length	Height		
3.5	74.4	41.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
13.5	250	0.14 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
250	300	300	-	
13.5 / 1.5	15	15	-	

**Ordering data**

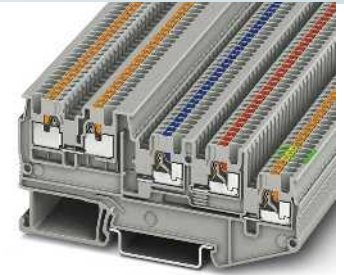
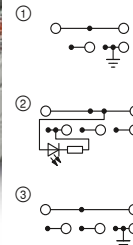
Description	Color
<b>Terminal block</b>	gray
Red LED, 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level	gray
Green LED, 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level	gray
<b>Terminal block, with PE connection</b>	gray

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTIO 1,5/S/3	① 3244410	50
PTIO 1,5/S/3-LED 24 RD	② 3244423	50
PTIO 1,5/S/3-LED 24 GN	② 3244436	50
PTIO 1,5/S/3-PE	③ 3244449	50

**Accessories<sup>1)</sup>**

<b>Cover, width 2.2 mm</b>	gray
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<b>D-PTIO 1,5/S/3</b>	3244575	50
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**13.5 A, four-conductor actuator terminal block**



**Technical data<sup>1)</sup>**

Width	Length	Height		
3.5	90.8	41.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
13.5	250	0.14 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
250	300	300	-	
13.5 / 1.5	15	15	-	

**Ordering data**

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTIO 1,5/S/4	① 3244452	50
PTIO 1,5/S/4-LED 24 RD	② 3244517	50
PTIO 1,5/S/4-LED 24 GN	② 3244520	50
PTIO 1,5/S/4-PE	③ 3244465	50

**Accessories<sup>1)</sup>**

<b>D-PTIO 1,5/S/4</b>	3244588	50
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### Power terminals

**Notes:**

1) For additional accessories and technical data, see page 86.

2) In the case of central power feed.



**2.5 (4) mm<sup>2</sup>, 20 A, power terminal**



**Technical data<sup>1)</sup>**

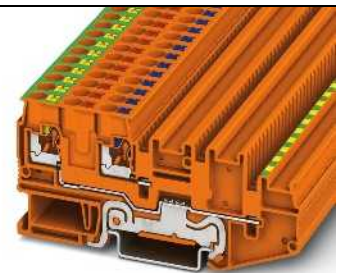
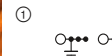
<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Plug-in connection cross sections	[mm <sup>2</sup> ]

Width	Length	Height		
7	74.4	41.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>2)</sup>	250	0.2 - 4	24-12	
17.5				
IEC	UL / CUL	CSA	Ex	
250	300	300	-	
20 / 2.5	16	16	-	
2.5				
24 - 12	-	-	-	
solid	stranded	Ferrule without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.2 - 2.5	0.2 - 2.5	
-	-	-	0.5	
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5	

**Ordering data**

Description	Color
<b>Power terminal</b>	orange
<b>Power terminal, with PE connection</b>	orange
<b>Cover, width 2.2 mm</b>	gray

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTIO-IN 2,5/3 OG	① 3244559	50
<b>D-PTIO 1,5/S/3</b>	3244575	50



**2.5 (4) mm<sup>2</sup>, 20 A, power terminal with PE foot**



**Technical data<sup>1)</sup>**

Width	Length	Height		
7	90.8	41.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>2)</sup>	250	0.2 - 4	24-12	
17.5				
IEC	UL / CUL	CSA	Ex	
250	-	300	-	
20 / 2.5	-	16	-	
2.5				
24 - 12	-	-	-	
solid	stranded	Ferrule without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.2 - 2.5	0.2 - 2.5	
-	-	-	0.5	
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5	

**Ordering data**

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTIO-IN 2,5/4-PE OG	① 3244481	50
<b>D-PTIO 1,5/S/4</b>	3244588	50

# Terminal blocks - CLIPLINE complete

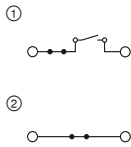
## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Knife disconnect terminal blocks

#### Notes:

<sup>1)</sup> For additional accessories and technical data, see page 86.

The nominal current for PT ...MTD.. terminal blocks is 17.5 A.



10 A, knife disconnect terminal block



#### Technical data<sup>1)</sup>

Width	Length	Height		
3.5	58.9	32 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10	400	0.14 - 1.5	26-16	
10				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	400	300	300	-
Nominal current / cross section	10 / 1.5	10	10	-

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 1,5/S-MT	① 3210301	50
PT 1,5/S-MT BU	① 3210302	50
PT 1,5/S-MTD	② 3210308	50
PT 1,5/S-MTD BU	② 3210309	50

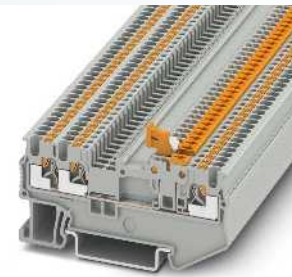
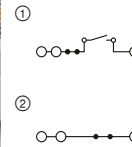
#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S-MT-0,8	3210303	50
D-PT 1,5/S-MT-0,8 OG	3210304	50

Dimensions	[mm]
Width	3.5
Length	58.9
Height	32 (NS 35/7,5)
Max. electrical data	
$I_{max.}$ [A]	10
Max. bridge current	[A] 10
Rated data	
Rated voltage	[V] 400
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 10 / 1.5

Description	Color
Knife disconnect terminal block	gray
	blue
Feed-through terminal block, same shape	gray
	blue

Cover, width 0.8 mm	Color
	gray
	orange



10 A, knife disconnect terminal block, 3 connections



#### Technical data<sup>1)</sup>

Width	Length	Height		
3.5	67.8	32 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10	400	0.14 - 1.5	26-16	
10				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	400	300	300	-
Nominal current / cross section	10 / 1.5	10	10	-

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 1,5/S-TWIN-MT	① 3210311	50
PT 1,5/S-TWIN-MT BU	① 3210312	50
PT 1,5/S-TWIN-MTD	② 3210317	50
PT 1,5/S-TWIN-MTD BU	② 3210319	50

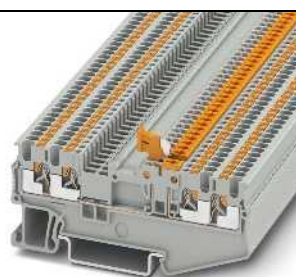
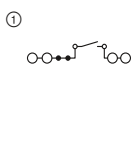
#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S-TWIN-MT-0,8	3210313	50
D-PT 1,5/S-TWIN-MT-0,8 OG	3210314	50

### Knife disconnect terminal blocks

#### Notes:

<sup>1)</sup> For additional accessories and technical data, see page 86.



10 A, knife disconnect terminal block, 4 connections



#### Technical data<sup>1)</sup>

Width	Length	Height		
3.5	76.9	32 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10	400	0.14 - 1.5	26-16	
10				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	400	300	300	-
Nominal current / cross section	10 / 1.5	10	10	-

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 1,5/S-QUATTRO-MT	① 3210321	50
PT 1,5/S-QUATTRO-MT BU	① 3210322	50

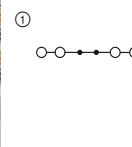
#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S-QUATTRO-MT-0,8	3210333	50
D-PT 1,5/S-QUATTRO-MT-0,8 OG	3210334	50

Dimensions	[mm]
Width	3.5
Length	76.9
Height	32 (NS 35/7,5)
Max. electrical data	
$I_{max.}$ [A]	10
Max. bridge current	[A] 10
Rated data	
Rated voltage	[V] 400
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 10 / 1.5

Description	Color
Knife disconnect terminal block	gray
	blue
Feed-through terminal block, same shape	gray
	blue

Cover, width 0.8 mm	Color
	gray
	orange



17.5 A, feed-through terminal block, 4 connections, same shape



#### Technical data<sup>1)</sup>

Width	Length	Height		
3.5	76.9	32 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-16	
17.5				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	300	300	-
Nominal current / cross section	17.5 / 1.5	10	10	-

#### Ordering data

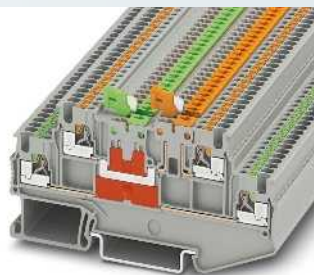
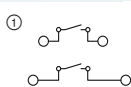
Type	Order No.	Pcs. / Pkt.
PT 1,5/S-QUATTRO-MTD	① 3210328	50
PT 1,5/S-QUATTRO-MTD BU	① 3210329	50

#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S-QUATTRO-MT-0,8	3210333	50
D-PT 1,5/S-QUATTRO-MT-0,8 OG	3210334	50

**Knife disconnect terminal blocks**

**Notes:**  
 1) For additional accessories and technical data, see page 86.



**9 A, double-level knife disconnect terminal block, both levels can be disconnected**

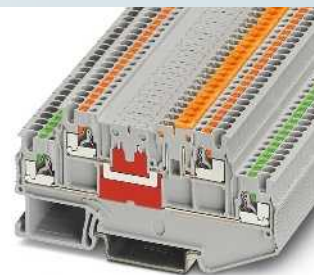
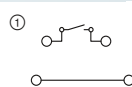


Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	86	42.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
9	400	0.14 - 1.5	26-16	
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section	9 / 1.5	10	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTT 1,5/S-2MT	3210351	50	
PTT 1,5/S-2MT BU	3210352	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PTT 1,5/S-2MT-0,8	3210353	50
D-PTT 1,5/S-2MT-0,8 OG	3210354	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Knife disconnect terminal block</b>	gray blue
<b>Cover, width 0.8 mm</b>	gray orange



**9 A, double-level knife disconnect terminal block, top level can be disconnected**



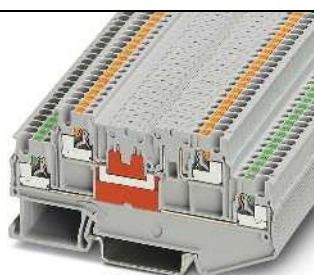
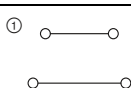
Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	86	42.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
9	400	0.14 - 1.5	26-16	
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section	9 / 1.5	10	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTT 1,5/S-L/MT	3210341	50	
PTT 1,5/S-L/MT BU	3210342	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PTT 1,5/S-2MT-0,8	3210353	50
D-PTT 1,5/S-2MT-0,8 OG	3210354	50

**Double-level terminal block, same shape**

**Notes:**  
 1) For additional accessories and technical data, see page 86.



**9 A, double-level terminal block, same shape**



Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	86	42.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
9	400	0.14 - 1.5	26-16	
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section	9 / 1.5	10	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTT 1,5/S-2L	3210356	50	
PTT 1,5/S-2L BU	3210357	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PTT 1,5/S-2MT-0,8	3210353	50
D-PTT 1,5/S-2MT-0,8 OG	3210354	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray blue
<b>Cover, width 0.8 mm</b>	gray orange

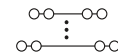
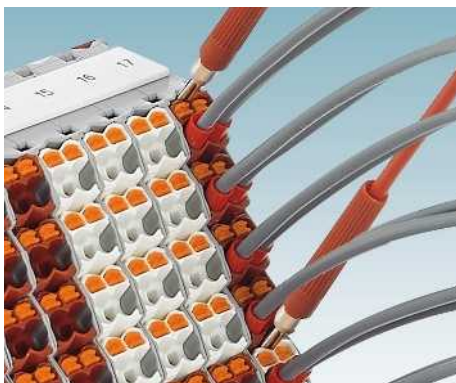
# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

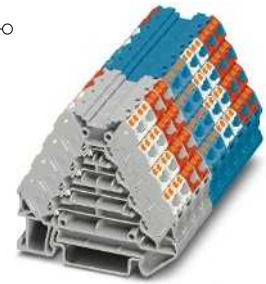
### Marshalling terminal, four levels



- Maximum signal density and up to 20% less space required thanks to the compact design
- Easy and tool-free wiring thanks to push-in connection
- Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation
- Four conductors up to 2.5 mm<sup>2</sup> can be connected to one potential by means of the double connection
- Convenient testing by means of freely accessible 2.3 mm test connections centered between the connection points
- Large-surface, pitch-free marking for matrix identification
- Easy potential distribution with jumpers and 6 mm<sup>2</sup> supply
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Cabling duct combs can be snapped on as an option
- FTRV versions are available without actuation lever



new



10 A, marshalling terminal, 16 connections

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
Plug-in connection cross sections	[mm <sup>2</sup> ]

Description	Color
<b>Marshalling terminal, white chambers</b>	gray
Chambers: red	gray
Chambers: blue	blue
Chambers: white	blue
Chambers: red	blue
<b>Marshalling terminal, without actuation lever, white chambers</b>	gray
Chambers: red	gray
Chambers: blue	blue
Chambers: white	blue
Chambers: red	blue

<b>Spacer plate, width: 8.3 mm</b>	gray
<b>Cover, can be grouped, unprinted</b>	white
printed: 1-4	white
printed: A-D	white
<b>Cable duct comb, can be snapped on</b>	gray
<b>Marking for DP-PTRV ... spacer plate, unprinted</b>	white
printed horizontally, numbers 1-8	white
printed horizontally, letters A-H	white
printed vertically, numbers 1-8	white
printed vertically, letters A-H	white
<b>marked according to customer specifications</b>	white
<b>Marking for PTRV terminal, unprinted</b>	white
printed horizontally, with consecutive numbers, e.g., 1-10, 11-20	white
printed vertically, with consecutive numbers, e.g., 1-10, 11-20	white

Technical data				
Width	Length	Height NS 35/7,5		
8.3	64	55.5		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10	250	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	250	-	-	-
Nominal current / cross section	10 / 1.5	-	-	-
Cross section range	26 - 12	-	-	-
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5 0.34 - 1.5

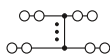
Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>PTRV 4 /WH</b>	<b>3270115</b>	10	
<b>PTRV 4 /RD</b>	<b>3270121</b>	10	
<b>PTRV 4 BU/BU</b>	<b>3270118</b>	10	
<b>PTRV 4 BU/WH</b>	<b>3270119</b>	10	
<b>PTRV 4 BU/RD</b>	<b>3270120</b>	10	
<b>FTRV 4 /WH</b>	<b>3270169</b>	10	
<b>FTRV 4 /RD</b>	<b>3270175</b>	10	
<b>FTRV 4 BU/BU</b>	<b>3270172</b>	10	
<b>FTRV 4 BU/WH</b>	<b>3270173</b>	10	
<b>FTRV 4 BU/RD</b>	<b>3270174</b>	10	

Accessories			
	Order No.	Pcs. / Pkt.	
<b>DP-PTRV 4</b>	<b>3270163</b>	10	
<b>D-PTRV 4 WH</b>	<b>3270151</b>	10	
<b>D-PTRV 4 WH 1-4</b>	<b>3270152</b>	10	
<b>D-PTRV 4 WH A-D</b>	<b>3270153</b>	10	
<b>CDC-PTRV</b>	<b>3270167</b>	10	
<b>ZBF 6/9,2 S8:UNBEDRUCKT</b>	<b>0803447</b>	10	
<b>ZBF 6/9,2 S8,LGS:1-8</b>	<b>0803450</b>	10	
<b>ZBF 6/9,2 S8,LGS:A-H</b>	<b>0803451</b>	10	
<b>ZBF 6/9,2 S8,QR:1-8</b>	<b>0803448</b>	10	
<b>ZBF 6/9,2 S8,QR:A-H</b>	<b>0803449</b>	10	
<b>ZBF 6/9,2 S8 CUS</b>	<b>8191575</b>	1	
<b>ZB 8,3:UNBEDRUCKT</b>	<b>0803444</b>	10	
<b>ZB 8,3,LGS:FORTL.ZAHLEN</b>	<b>0803480</b>	10	
<b>ZB 8,3,QR:FORTL.ZAHLEN</b>	<b>0803479</b>	10	

Potential distributor, four levels

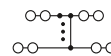
- Potential distributions with up to 16 connections can be implemented with the PTRV ...-PV terminal block
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Easy potential distribution with jumpers and 6 mm<sup>2</sup> supply

**Notes:**  
 1) Nominal current of 17.5 A. 16 connections



17.5 A, potential distributor, 16 connections

new



32 A, potential distributor, 11 connections, with supply, can be bridged

new

Dimensions		[mm]	
<b>Max. electrical data</b>			
Rated voltage	[V]	250	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5	
Cross section range	AWG	26 - 12	
<b>Connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	0.14 - 2.5	
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 2.5	
<b>Rated data, feed</b>			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	
Cross section range	AWG	-	
<b>Supply connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	-	
Plug-in connection cross sections	[mm <sup>2</sup> ]	-	

Technical data				
Width	Length	Height NS 35/7,5		
8.3	64	55.5		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	250	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
without/with plastic sleeve				
solid	stranded	Ferrule		
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
without/with plastic sleeve				
solid	stranded	Ferrule		
-	-	-	-	
-	-	-	-	
without/with plastic sleeve				
solid	stranded	Ferrule		
-	-	-	-	
-	-	-	-	
without/with plastic sleeve				
solid	stranded	Ferrule		
2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6	
2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6	

Technical data				
Width	Length	Height NS 35/7,5		
8.3	64	55.5		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	250	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
without/with plastic sleeve				
solid	stranded	Ferrule		
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
without/with plastic sleeve				
solid	stranded	Ferrule		
32 / 4	-	-	-	
12 - 8	-	-	-	
without/with plastic sleeve				
solid	stranded	Ferrule		
2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6	
2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6	

Description	Color
Potential distributor, black chambers	gray
Chambers: black	blue
Potential distributor, top two chambers yellow, bottom two chambers black	gray
top two chambers black, bottom two chambers yellow	gray
Potential distributor, with supply	gray
Potential distributor <sup>1)</sup>	gray
Potential distributor, without actuation lever, black chambers	gray
Chambers: black	gray
Potential distributor, without actuation lever, top two chambers yellow, bottom two chambers black	gray
top two chambers black, bottom two chambers yellow	gray
Potential distributor, with supply	gray
Potential distributor <sup>1)</sup>	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTRV 4-PV /BK	3270125	10	
PTRV 4-PV BU/BK	3270126	10	
PTRV 4-FE /YEBK	3270130	10	
PTRV 4-FE /BKYE	3270131	10	
FTRV 4-PV /BK	3270178	10	
FTRV 4-PV BU/BK	3270181	10	
FTRV 4-FE /YEBK	3270184	10	
FTRV 4-FE /BKYE	3270185	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTRVB 4-FI	3270158	10	
PTRVB 4-PV	3270157	10	
FTRVB 4-FI	3270208	10	
FTRVB 4-PV	3270207	10	

Accessories	
Spacer plate, width: 8.3 mm	gray
Cover, can be grouped, unprinted	white
printed: 1-4	white
printed: A-D	white
Cont. jumper, 500 mm long, isolated, can be cut to length, for potential distribution	red
Nominal current: 32 A	gray
Marking for DP-PTRV ... spacer plate, unprinted	white
printed horizontally, numbers 1-8	white
printed horizontally, letters A-H	white
printed vertically, numbers 1-8	white
printed vertically, letters A-H	white
marked according to customer specifications	white

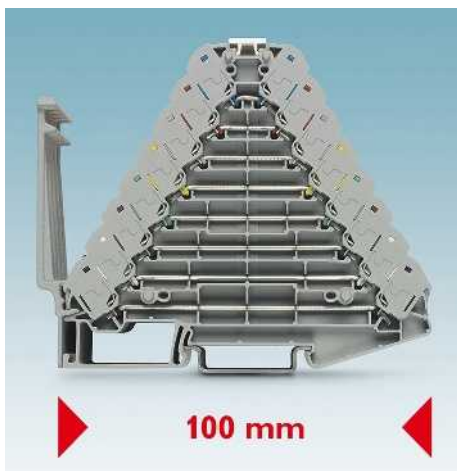
Accessories			
Type	Order No.	Pcs. / Pkt.	
DP-PTRV 4	3270163	10	
D-PTRV 4 WH	3270151	10	
D-PTRV 4 WH 1-4	3270152	10	
D-PTRV 4 WH A-D	3270153	10	
ZBF 6/9,2 S8:UNBEDRUCKT	0803447	10	
ZBF 6/9,2 S8,LGS:1-8	0803450	10	
ZBF 6/9,2 S8,LGS:A-H	0803451	10	
ZBF 6/9,2 S8,QR:1-8	0803448	10	
ZBF 6/9,2 S8,QR:A-H	0803449	10	
ZBF 6/9,2 S8 CUS	8191575	1	

Accessories			
Type	Order No.	Pcs. / Pkt.	
DP-PTRV 4	3270163	10	
D-PTRV 4 WH	3270151	10	
D-PTRV 4 WH 1-4	3270152	10	
D-PTRV 4 WH A-D	3270153	10	
FBST 500-PLC RD	2966786	20	
FBST 500-PLC GY	2966838	20	
ZBF 6/9,2 S8:UNBEDRUCKT	0803447	10	
ZBF 6/9,2 S8,LGS:1-8	0803450	10	
ZBF 6/9,2 S8,LGS:A-H	0803451	10	
ZBF 6/9,2 S8,QR:1-8	0803448	10	
ZBF 6/9,2 S8,QR:A-H	0803449	10	
ZBF 6/9,2 S8 CUS	8191575	1	

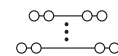
# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Marshalling terminal, eight levels



- Maximum signal density and up to 20% less space required thanks to the compact design
- Easy and tool-free wiring thanks to push-in connection
- Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation
- Four conductors up to 2.5 mm<sup>2</sup> can be connected to one potential by means of the double connection
- Convenient testing by means of freely accessible 2.3 mm test connections centered between the connection points
- Large-surface, pitch-free marking for matrix identification
- Easy potential distribution with jumpers and 6 mm<sup>2</sup> supply
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Cabling duct combs can be snapped on as an option
- FTRV versions are available without actuation lever



new



8 A, marshalling terminal, 32 connections

Dimensions	
	[mm]
Max. electrical data	
$I_{max.}$ [A]	8
$U_{max.}$ [V]	250
Rated data	
Rated voltage [V]	250
Nominal current / cross section [A] / [mm <sup>2</sup> ]	8 / 1.5
Cross section range AWG	26 - 12
Connection capacity	
1 conductor [mm <sup>2</sup> ]	0.14 - 2.5
Plug-in connection cross sections [mm <sup>2</sup> ]	0.34 - 2.5

Technical data				
Width	Length	Height NS 35/7.5		
8.3	100	87.5		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
8	250	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage				
250	-	-	-	-
Nominal current / cross section				
8 / 1.5	-	-	-	-
Cross section range				
26 - 12	-	-	-	-
Connection capacity		Ferrule		
	solid	stranded	without/with plastic sleeve	
1 conductor	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Description	Color
<b>Marshalling terminal</b> , top four chambers white, bottom four chambers red	gray
top four chambers red, bottom four chambers white	gray
Chambers: blue	blue
top four chambers white, bottom four chambers red	blue
top four chambers red, bottom four chambers white	blue
<b>Marshalling terminal</b> , without actuation lever, top four chambers white, bottom four chambers red	gray
top four chambers red, bottom four chambers white	gray
Chambers: blue	blue
top four chambers white, bottom four chambers red	blue
top four chambers red, bottom four chambers white	blue

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>PTRV 8 /WHRD</b>	<a href="#">3270133</a>	10	
<b>PTRV 8 /RDWH</b>	<a href="#">3270137</a>	10	
<b>PTRV 8 BU/BU</b>	<a href="#">3270136</a>	10	
<b>PTRV 8 BU/WHRD</b>	<a href="#">3270134</a>	10	
<b>PTRV 8 BU/RDWH</b>	<a href="#">3270135</a>	10	
<b>FTRV 8 /WHRD</b>	<a href="#">3270187</a>	10	
<b>FTRV 8 /RDWH</b>	<a href="#">3270193</a>	10	
<b>FTRV 8 BU/BU</b>	<a href="#">3270190</a>	10	
<b>FTRV 8 BU/WHRD</b>	<a href="#">3270191</a>	10	
<b>FTRV 8 BU/RDWH</b>	<a href="#">3270192</a>	10	

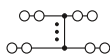
<b>Spacer plate</b> , width: 8.3 mm	gray
<b>Cover</b> , can be grouped, unprinted	white
printed: 1-8	white
printed: A-H	white
<b>Cable duct comb</b> , can be snapped on	gray
<b>Marking for DP-PTRV ... spacer plate</b> , unprinted	white
printed horizontally, numbers 1-8	white
printed horizontally, letters A-H	white
printed vertically, numbers 1-8	white
printed vertically, letters A-H	white
marked according to customer specifications	white
<b>Marking for PTRV terminal</b> , unprinted	white
printed horizontally, with consecutive numbers, e.g., 1-10, 11-20	white
printed vertically, with consecutive numbers, e.g., 1-10, 11-20	white

Accessories		
<b>DP-PTRV 8</b>	<a href="#">3270166</a>	10
<b>D-PTRV 8 WH</b>	<a href="#">3270154</a>	10
<b>D-PTRV 8 WH 1-8</b>	<a href="#">3270155</a>	10
<b>D-PTRV 8 WH A-H</b>	<a href="#">3270156</a>	10
<b>CDC-PTRV</b>	<a href="#">3270167</a>	10
<b>ZBF 6/9,2 S8:UNBEDRUCKT</b>	<a href="#">0803447</a>	10
<b>ZBF 6/9,2 S8,LGS:1-8</b>	<a href="#">0803450</a>	10
<b>ZBF 6/9,2 S8,LGS:A-H</b>	<a href="#">0803451</a>	10
<b>ZBF 6/9,2 S8,QR:1-8</b>	<a href="#">0803448</a>	10
<b>ZBF 6/9,2 S8,QR:A-H</b>	<a href="#">0803449</a>	10
<b>ZBF 6/9,2 S8 CUS</b>	<a href="#">8191575</a>	1
<b>ZB 8,3:UNBEDRUCKT</b>	<a href="#">0803444</a>	10
<b>ZB 8,3,LGS:FORTL.ZAHLEN</b>	<a href="#">0803480</a>	10
<b>ZB 8,3,QR:FORTL.ZAHLEN</b>	<a href="#">0803479</a>	10

Potential distributor, eight levels

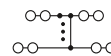
- Potential distributions with up to 32 connections can be implemented with the PTRV ...-PV terminal block
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Easy potential distribution with jumpers and 6 mm<sup>2</sup> supply

Notes:  
 1) Nominal current of 17.5 A. 32 connections



17.5 A, potential distributor, 32 connections

new



32 A, potential distributor, 29 connections, with supply, can be bridged

new

Technical data				
Width	Length	Height NS 35/7,5		
8.3	100	87.5		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	250	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
250	-	-	-	
17.5 / 1.5	-	-	-	
26 - 12	-	-	-	
Connection capacity				
1 conductor	stranded		Ferrule without/with plastic sleeve	
[mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	0.34 - 2.5		0.34 - 1.5	0.34 - 1.5
Rated data, feed				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
-	-	-	-	
-	-	-	-	
Supply connection capacity				
1 conductor	stranded		Ferrule without/with plastic sleeve	
[mm <sup>2</sup> ]	-	-	-	-
Plug-in connection cross sections	-		-	-
[mm <sup>2</sup> ]	-	-	-	-

Technical data				
Width	Length	Height NS 35/7,5		
8.3	100	87.5		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	250	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
250	-	-	-	
17.5 / 1.5	-	-	-	
26 - 12	-	-	-	
Connection capacity				
1 conductor	stranded		Ferrule without/with plastic sleeve	
[mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	0.34 - 2.5		0.34 - 1.5	0.34 - 1.5
Rated data, feed				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
32 / 4	-	-	-	
12 - 8	-	-	-	
Supply connection capacity				
1 conductor	stranded		Ferrule without/with plastic sleeve	
[mm <sup>2</sup> ]	2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6
Plug-in connection cross sections	2.5 - 6		2.5 - 6	2.5 - 6
[mm <sup>2</sup> ]	2.5 - 6	2.5 - 6	2.5 - 6	2.5 - 6

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Potential distributor, black chambers	gray	PTRV 8-PV /BK	3270142	10
Chambers: black	blue	PTRV 8-PV BU/BK	3270145	10
Potential distributor, top four chambers yellow, bottom four chambers black	gray	PTRV 8-FE /YEBK	3270148	10
top four chambers black, bottom four chambers yellow	gray	PTRV 8-FE /BKYE	3270149	10
Potential distributor, with supply	gray			
Potential distributor <sup>1)</sup>	gray			
Potential distributor, without actuation lever, black chambers	gray	FTRV 8-PV /BK	3270194	10
Chambers: black		FTRV 8-PV BU/BK	3270196	10
Potential distributor, without actuation lever, top four chambers yellow, bottom four chambers black	gray	FTRV 8-FE /YEBK	3270202	10
top four chambers black, bottom four chambers yellow	gray	FTRV 8-FE /BKYE	3270204	10
Potential distributor, with supply	gray			
Potential distributor <sup>1)</sup>	gray			

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
Potential distributor, with supply	gray	PTRVB 8-FI	3270160	10
Potential distributor <sup>1)</sup>	gray	PTRVB 8-PV	3270159	10
Potential distributor, with supply	gray			
Potential distributor <sup>1)</sup>	gray			
Potential distributor, without actuation lever, black chambers	gray	FTRVB 8-FI	3270210	10
Chambers: black		FTRVB 8-PV	3270209	10

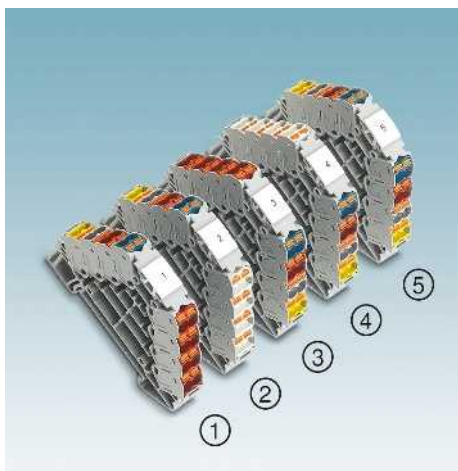
Accessories				
Description	Color	Type	Order No.	Pcs. / Pkt.
Spacer plate, width: 8.3 mm	gray	DP-PTRV 8	3270166	10
Cover, can be grouped, unprinted	white	D-PTRV 8 WH	3270154	10
printed: 1-8	white	D-PTRV 8 WH 1-8	3270155	10
printed: A-H	white	D-PTRV 8 WH A-H	3270156	10
Cont. jumper, 500 mm long, isolated, can be cut to length, for potential distribution	red			
Nominal current: 32 A	gray			
Cable duct comb, can be snapped on	gray	CDC-PTRV	3270167	10
Marking for DP-PTRV ... spacer plate, unprinted	white	ZBF 6/9,2 S8:UNBEDRUCKT	0803447	10
printed horizontally, numbers 1-8	white	ZBF 6/9,2 S8,LGS:1-8	0803450	10
printed horizontally, letters A-H	white	ZBF 6/9,2 S8,LGS:A-H	0803451	10
printed vertically, numbers 1-8	white	ZBF 6/9,2 S8,QR:1-8	0803448	10
printed vertically, letters A-H	white	ZBF 6/9,2 S8,QR:A-H	0803449	10
marked according to customer specifications	white	ZBF 6/9,2 S8 CUS	8191575	1

Accessories				
Description	Color	Type	Order No.	Pcs. / Pkt.
Spacer plate, width: 8.3 mm	gray	DP-PTRV 8	3270166	10
Cover, can be grouped, unprinted	white	D-PTRV 8 WH	3270154	10
printed: 1-8	white	D-PTRV 8 WH 1-8	3270155	10
printed: A-H	white	D-PTRV 8 WH A-H	3270156	10
Cont. jumper, 500 mm long, isolated, can be cut to length, for potential distribution	red			
Nominal current: 32 A	gray			
Cable duct comb, can be snapped on	gray	FBST 500-PLC RD	2966786	20
Marking for DP-PTRV ... spacer plate, unprinted	white	FBST 500-PLC GY	2966838	20
printed horizontally, numbers 1-8	white	ZBF 6/9,2 S8:UNBEDRUCKT	0803447	10
printed horizontally, letters A-H	white	ZBF 6/9,2 S8,LGS:1-8	0803450	10
printed vertically, numbers 1-8	white	ZBF 6/9,2 S8,LGS:A-H	0803451	10
printed vertically, letters A-H	white	ZBF 6/9,2 S8,QR:1-8	0803448	10
marked according to customer specifications	white	ZBF 6/9,2 S8,QR:A-H	0803449	10
		ZBF 6/9,2 S8 CUS	8191575	1

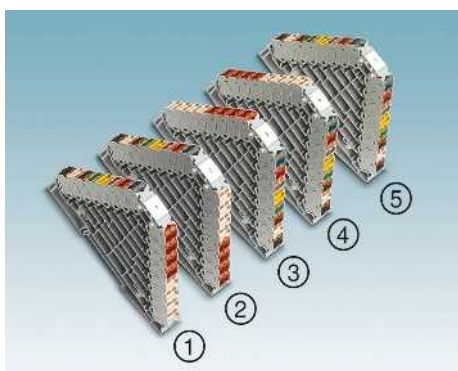
# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

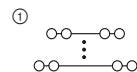
### Marshalling terminals for free assembly



- The marshalling terminals can be easily configured and ordered with just a click of the mouse in the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products).
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page
- Freely configurable marshalling terminal with eleven colors to choose from
- Level-based color configuration
- Various combinations possible for creating a marshalling pitch



**Notes:**  
For technical data and accessories, see page 92.



new



Marshalling terminal, color configuration according to customer specifications

		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
① Marshalling terminal, 4-pos., left side color can be freely configured, right side color: red	gray	PTRV 4 /COL-RD	① 3001754	1
② Left side color can be freely configured, right side color: white	gray	PTRV 4 /COL-WH	① 3001871	1
③ Left side color: red, right side color can be freely configured	gray	PTRV 4 /RD-COL	① 3001872	1
④ Left side color: white, right side color can be freely configured	gray	PTRV 4 /WH-COL	① 3001874	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	PTRV 4 /COL-COL	① 3001875	1
① Marshalling terminal, 8-pos., left side color can be freely configured, right: upper 4 chambers red, lower 4 chambers white	gray	PTRV 8 /COL-RDWH	① 3001851	1
② Left side color can be freely configured, right: upper 4 chambers: white, lower 4 chambers: red	gray	PTRV 8 /COL-WHRD	① 3001876	1
③ Left: upper 4 chambers: red, lower 4 chambers: white, right side color can be freely configured	gray	PTRV 8 /RDWH-COL	① 3001877	1
④ Left: upper 4 chambers: white, lower 4 chambers: red, right side color can be freely configured	gray	PTRV 8 /WHRD-COL	① 3001878	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	PTRV 8 /COL-COL	① 3001879	1
① Marshalling terminal, without actuation lever, 4-pos., left side color can be freely configured, right side color: red	gray	FTRV 4 /COL-RD	① 3001760	1
② Left side color can be freely configured, right side color: white	gray	FTRV 4 /COL-WH	① 3001880	1
③ Left side color: red, right side color can be freely configured	gray	FTRV 4 /RD-COL	① 3001881	1
④ Left side color: white, right side color can be freely configured	gray	FTRV 4 /WH-COL	① 3001882	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	FTRV 4 /COL-COL	① 3001883	1
① Marshalling terminal, without actuation lever, 8-pos., left side color can be freely configured, right: upper 4 chambers: red, lower 4 chambers: white	gray	FTRV 8 /COL-RDWH	① 3001852	1
② Left side color can be freely configured, right: upper 4 chambers: white, lower 4 chambers: red	gray	FTRV 8 /COL-WHRD	① 3001884	1
③ Left: upper 4 chambers: red, lower 4 chambers: white, right side color can be freely configured	gray	FTRV 8 /RDWH-COL	① 3001885	1
④ Left: upper 4 chambers: white, lower 4 chambers: red, right side color can be freely configured	gray	FTRV 8 /WHRD-COL	① 3001887	1
⑤ Left and right side colors can be freely configured, same colors on each level	gray	FTRV 8 /COL-COL	① 3001888	1



Ordering example: configured marshalling terminal

**Ordering example:**  
A marshalling terminal with eight levels should be configured as follows according to DIN VDE 0815:

The right side is marked red in the upper levels 1 - 4, and the lower levels 5 - 8 are marked white.  
Please select order number 3001851 from the configurable items.  
The levels on the left side should be colored.

- Level 1: blue
- Level 2: red
- Level 3: gray
- Level 4: yellow
- Level 5: green
- Level 6: brown
- Level 7: white
- Level 8: black

Specify the color sequence when ordering, as illustrated below in the ordering example.

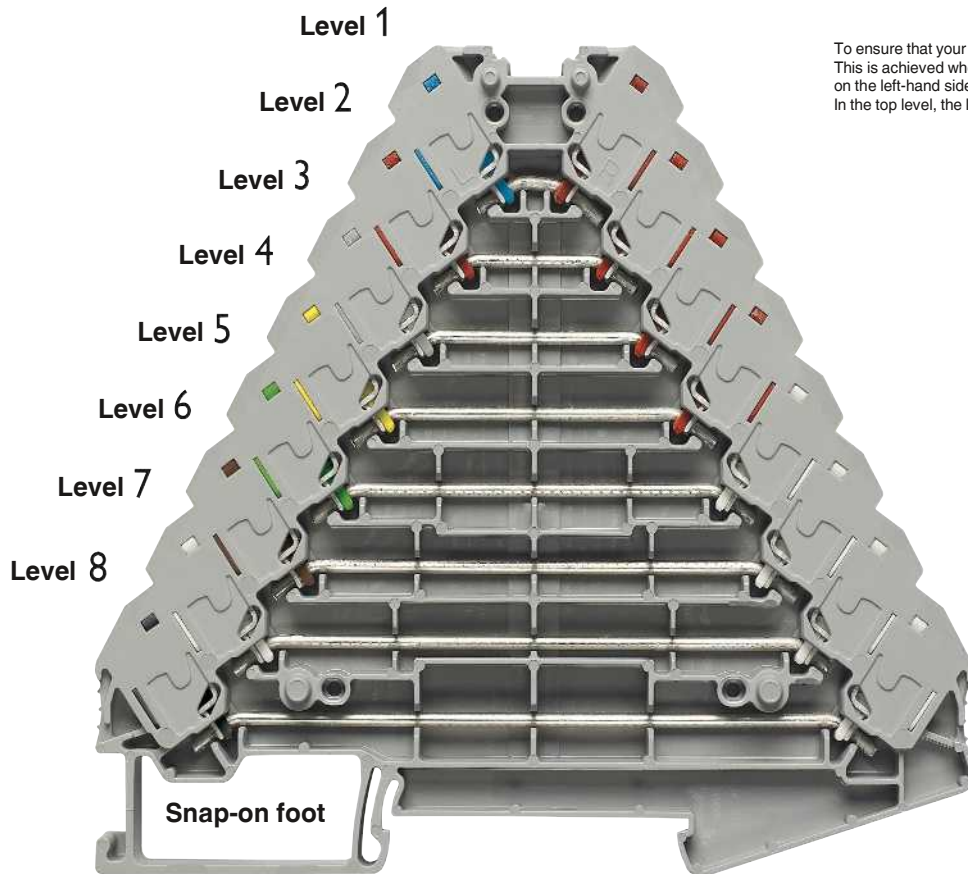
Available colors:

- BU Blue
- RD Red
- GY Gray
- YE Yellow
- GN Green
- BN Brown
- WH White
- BK Black
- VT Violet
- OG Orange
- PK Pink



The ordering data for this ordering example is therefore:

Order No.	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
3001851	BU	RD	GY	YE	GN	BN	WH	BK



To ensure that your order is correct, you need a defined view. This is achieved when the snap-on foot in the top view is located on the left-hand side. In the top level, the letter L is visible.



# Terminal blocks - CLIPLINE complete

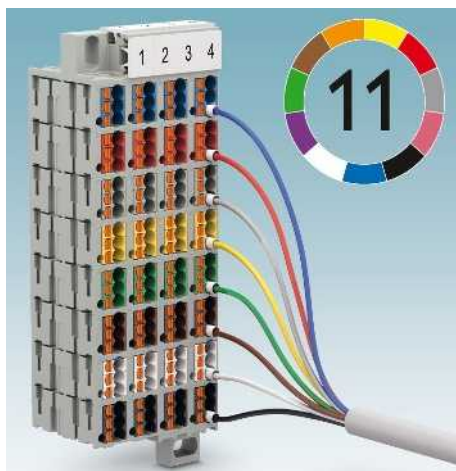
## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Marshalling patchboards, for self-assembly



The modular design allows the exact number of positions to be configured for a specific application. Up to 20% greater signal density thanks to the compact design.

- The elements snap in easily and securely
- The construction is made up of blocks, making it extremely stable and warp resistant



Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation. Terminal point coding with eleven colors to choose from.



Optional snap-on adapters enable easy mounting on standard DIN rails.



Adapters can be directly mounted on panel cutouts or 19" racks.

#### Notes:

<sup>1)</sup> Derating curve available on request.

#### Dimensions

[mm]

#### Max. electrical data

#### Rated data

Rated voltage [V]  
Nominal current / cross section [A] / [mm<sup>2</sup>]  
Cross section range AWG

#### Connection capacity

1 conductor [mm<sup>2</sup>]  
Plug-in connection cross sections [mm<sup>2</sup>]

Description	Color
<b>Marshalling patchboard, single element, gray chamber</b>	gray
Chambers: white	gray
Chambers: blue	gray
Chambers: red	gray
Chambers: green	gray
Chambers: brown	gray
Chambers: black	gray
Chambers: violet	gray
Chambers: orange	gray
Chambers: yellow	gray
Chambers: pink	gray
<b>Marshalling patchboard, without actuation lever, single element, gray chamber</b>	gray
Chambers: white	gray
Chambers: blue	gray
Chambers: red	gray
Chambers: green	gray
Chambers: brown	gray
Chambers: black	gray
Chambers: violet	gray
Chambers: orange	gray
Chambers: yellow	gray
Chambers: pink	gray

**Cover flange**, for direct mounting above gray

**Cover flange**, for direct mounting below gray

**Adapter**, for mounting on a DIN rail black

**Marker adapter**, for holding the marking gray

**Test plug metal part**, 2.3 mm Ø silver

**Insulating sleeve**, for MPS metal part red

#### Marking



22 A, single element, 6 connections



22 A, single element, 4 connections

Technical data			
Width	Length	Height	
11	12.2	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Technical data			
Width	Length	Height	
11	8.6	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5-3 /GY	3270300	10
PTMC 1,5-3 /WH	3270301	10
PTMC 1,5-3 /BU	3270420	10
PTMC 1,5-3 /RD	3270421	10
PTMC 1,5-3 /GN	3270422	10
PTMC 1,5-3 /BN	3270423	10
PTMC 1,5-3 /BK	3270424	10
PTMC 1,5-3 /VT	3270425	10
PTMC 1,5-3 /OG	3270426	10
PTMC 1,5-3 /YE	3270427	10
PTMC 1,5-3 /PK	3270428	10
FTMC 1,5-3 /GY	3270340	10
FTMC 1,5-3 /WH	3270341	10
FTMC 1,5-3 /BU	3270440	10
FTMC 1,5-3 /RD	3270441	10
FTMC 1,5-3 /GN	3270442	10
FTMC 1,5-3 /BN	3270443	10
FTMC 1,5-3 /BK	3270444	10
FTMC 1,5-3 /VT	3270445	10
FTMC 1,5-3 /OG	3270446	10
FTMC 1,5-3 /YE	3270447	10
FTMC 1,5-3 /PK	3270448	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5-2 /GY	3270302	10
PTMC 1,5-2 /WH	3270303	10
PTMC 1,5-2 /BU	3270430	10
PTMC 1,5-2 /RD	3270431	10
PTMC 1,5-2 /GN	3270432	10
PTMC 1,5-2 /BN	3270433	10
PTMC 1,5-2 /BK	3270434	10
PTMC 1,5-2 /VT	3270435	10
PTMC 1,5-2 /OG	3270436	10
PTMC 1,5-2 /YE	3270437	10
PTMC 1,5-2 /PK	3270438	10
FTMC 1,5-2 /GY	3270342	10
FTMC 1,5-2 /WH	3270343	10
FTMC 1,5-2 /BU	3270450	10
FTMC 1,5-2 /RD	3270451	10
FTMC 1,5-2 /GN	3270452	10
FTMC 1,5-2 /BN	3270453	10
FTMC 1,5-2 /BK	3270454	10
FTMC 1,5-2 /VT	3270455	10
FTMC 1,5-2 /OG	3270456	10
FTMC 1,5-2 /YE	3270457	10
FTMC 1,5-2 /PK	3270458	10

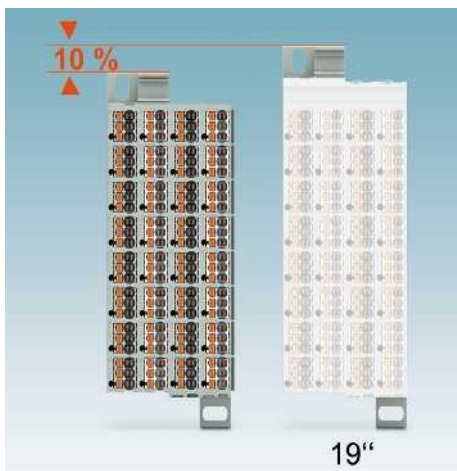
Accessories		
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)		

Accessories		
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)		

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

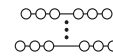
**Marshalling patchboards, pre-assembled with six connections per element**



- Compact design that requires less space than 19" standard versions
- Easy and tool-free wiring thanks to push-in connection
- Six conductors up to 2.5 mm<sup>2</sup> can be connected to one potential by means of the three conductor connections
- Large marking option
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever



**Notes:**  
1) Derating curve available on request.



new

22 A, 32-pos., 192 connections

Dimensions	
	[mm]
Max. electrical data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
Plug-in connection cross sections	[mm <sup>2</sup> ]

Technical data				
Width	Length	Height		
44	102	30		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22 <sup>1)</sup>	500	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	500	-	-	-
Nominal current / cross section	17.5 <sup>1)</sup>	-	-	-
Cross section range	26 - 12	-	-	-
Connection capacity		solid	stranded	Ferrule
				without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 0.14 - 1.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5 0.34 - 1.5

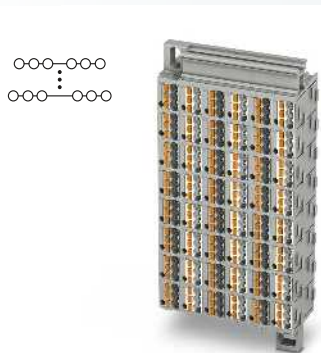
Description	Color
<b>Marshalling patchboard, 32-pos., chambers:</b>	gray
gray/white	
Chambers: blue	gray
<b>Marshalling patchboard, 48-pos., chambers:</b>	gray
gray/white	
Chambers: blue	gray
<b>Marshalling patchboard, 80-pos., chambers:</b>	gray
gray/white	
Chambers: blue	gray
<b>Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white</b>	gray
Chambers: blue	gray
<b>Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white</b>	gray
Chambers: blue	gray
<b>Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white</b>	gray
Chambers: blue	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>PTMC 1,5/32-3</b>	<a href="#">3270310</a>	18	
<b>PTMC 1,5/32-3 /BU</b>	<a href="#">3270312</a>	18	
<b>FTMC 1,5/32-3</b>	<a href="#">3270350</a>	18	
<b>FTMC 1,5/32-3 /BU</b>	<a href="#">3270352</a>	18	

<b>Cover flange, for direct mounting above</b>	gray
<b>Cover flange, for direct mounting below</b>	gray
<b>Adapter, for mounting on a DIN rail</b>	black
<b>Marker adapter, for holding the marking</b>	gray
<b>Test plug metal part, 2.3 mm Ø</b>	silver
<b>Insulating sleeve, for MPS metal part</b>	red

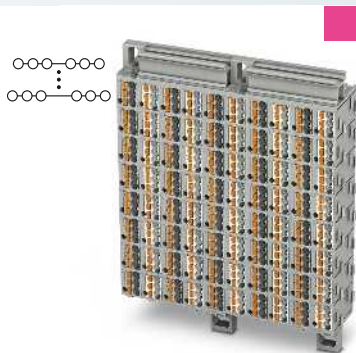
Accessories			
<b>DF-PTMC-O</b>	<a href="#">3270400</a>	10	
<b>DF-PTMC-U</b>	<a href="#">3270401</a>	10	
<b>DF-PTMC-NS</b>	<a href="#">3270403</a>	10	
<b>DF-PTMC-ZB</b>	<a href="#">3270410</a>	10	
<b>MPS-MT</b>	<a href="#">0201744</a>	10	
<b>MPS-IH RD</b>	<a href="#">0201676</a>	10	

Marking
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)



new

22 A, 48-pos., 288 connections



new

22 A, 80-pos., 480 connections

Technical data			
Width	Length	Height	
66	102	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Technical data			
Width	Length	Height	
110	102	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/48-3	3270318	10
PTMC 1,5/48-3 /BU	3270320	10
FTMC 1,5/48-3	3270358	10
FTMC 1,5/48-3 /BU	3270360	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/80-3	3270324	6
PTMC 1,5/80-3 /BU	3270326	6
FTMC 1,5/80-3	3270364	6
FTMC 1,5/80-3 /BU	3270366	6

Accessories		
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

Accessories		
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

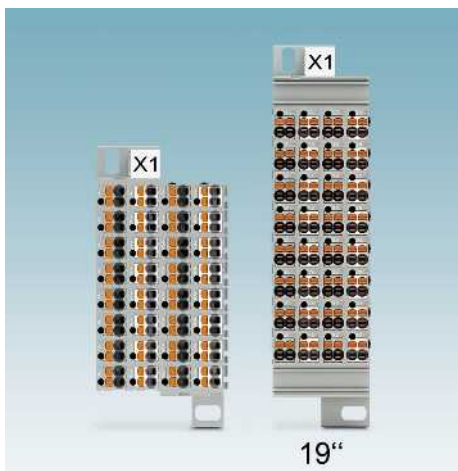
UC-TM 10, UCT-TM 10 or ZB 10  
(see Catalog 5)

UC-TM 10, UCT-TM 10 or ZB 10  
(see Catalog 5)

# Terminal blocks - CLIPLINE complete

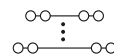
## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Marshalling patchboards, pre-assembled with four connections per element



- Maximum signal density with ten percent less space required than 19" standard versions
- Easy and tool-free wiring thanks to push-in connection
- Six conductors up to 2.5 mm<sup>2</sup> can be connected to one potential by means of the three conductor connections
- Large marking option
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever

**Notes:**  
1) Derating curve available on request.



new

22 A, 32-pos., 128 connections

Dimensions	
	[mm]
Max. electrical data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
Plug-in connection cross sections	[mm <sup>2</sup> ]

Technical data				
Width	Length	Height		
44	73.2	30		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22 <sup>1)</sup>	500	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
500	-	-	-	
17.5 <sup>1)</sup>	-	-	-	
26 - 12	-	-	-	
Connection capacity		Ferrule		
solid	stranded	without/with plastic sleeve		
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5	

Description	Color
<b>Marshalling patchboard</b> , 32-pos., chambers: gray/white	gray
Chambers: blue	gray
<b>Marshalling patchboard</b> , 48-pos., chambers: gray/white	gray
Chambers: blue	gray
<b>Marshalling patchboard</b> , 80-pos., chambers: gray/white	gray
Chambers: blue	gray
<b>Marshalling patchboard</b> , without actuation lever, 32-pos., chambers: gray/white	gray
Chambers: blue	gray
<b>Marshalling patchboard</b> , without actuation lever, 48-pos., chambers: gray/white	gray
Chambers: blue	gray
<b>Marshalling patchboard</b> , without actuation lever, 80-pos., chambers: gray/white	gray
Chambers: blue	gray

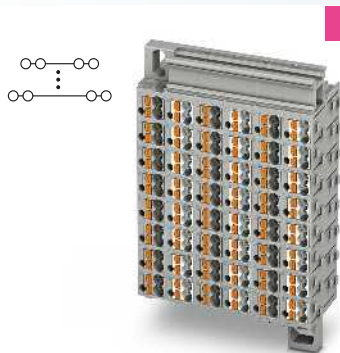
Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>PTMC 1,5/32-2</b>	3270314	18	
<b>PTMC 1,5/32-2 /BU</b>	3270315	18	
<b>FTMC 1,5/32-2</b>	3270354	18	
<b>FTMC 1,5/32-2 /BU</b>	3270355	18	

<b>Cover flange</b> , for direct mounting above	gray
<b>Cover flange</b> , for direct mounting below	gray
<b>Adapter</b> , for mounting on a DIN rail	black
<b>Marker adapter</b> , for holding the marking	gray
<b>Test plug metal part</b> , 2.3 mm Ø	silver
<b>Insulating sleeve</b> , for MPS metal part	red

Accessories			
<b>DF-PTMC-O</b>	3270400	10	
<b>DF-PTMC-U</b>	3270401	10	
<b>DF-PTMC-NS</b>	3270403	10	
<b>DF-PTMC-ZB</b>	3270410	10	
<b>MPS-MT</b>	0201744	10	
<b>MPS-IH RD</b>	0201676	10	

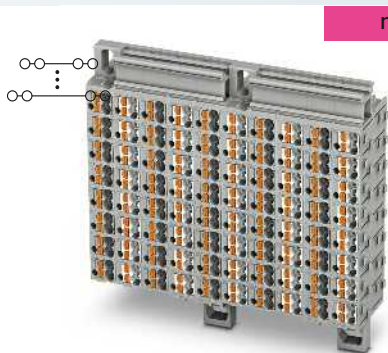
**Marking**

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)



new

22 A, 48-pos., 192 connections



new

22 A, 80-pos., 320 connections

Technical data			
Width	Length	Height	
66	73.2	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Technical data			
Width	Length	Height	
110	73.2	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/48-2	3270322	10
PTMC 1,5/48-2 /BU	3270323	10
FTMC 1,5 /48-2	3270362	10
FTMC 1,5 /48-2 /BU	3270363	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/80-2	3270329	6
PTMC 1,5/80-2 /BU	3270330	6
FTMC 1,5/80-2	3270368	6
FTMC 1,5/80-2 /BU	3270369	6

Accessories		
Type	Order No.	Pcs. / Pkt.
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

Accessories		
Type	Order No.	Pcs. / Pkt.
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

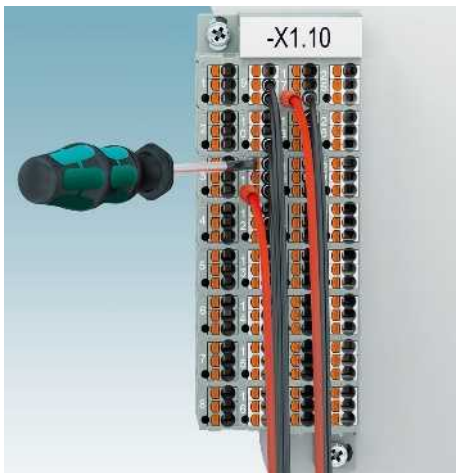
UC-TM 10, UCT-TM 10 or ZB 10  
(see Catalog 5)

UC-TM 10, UCT-TM 10 or ZB 10  
(see Catalog 5)

# Terminal blocks - CLIPLINE complete

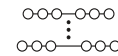
## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Marshalling patchboards for 19", six connections per element



- Size according to standard DIN EN 60297-3-101 for 19" housing
- Easy and tool-free wiring thanks to push-in connection
- Six conductors up to 2.5 mm<sup>2</sup> can be connected to one potential by means of the three conductor connections
- Large marking option
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever
- PTMC 1,5/32-2H 19Z version with compact overall width of 34.4 mm and four connections per element

Notes:
1) Derating curve available on request.



22 A, 32-pos., 128 connections, 6 connections per element

Dimensions	
	[mm]
Max. electrical data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
Plug-in connection cross sections	[mm <sup>2</sup> ]

Technical data				
Width	Length	Height		
44	111	30		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22 <sup>1)</sup>	500	0.14 - 2.5	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage				
Nominal current / cross section				
Cross section range				
Connection capacity				
		Ferrule		
		without/with plastic sleeve		
1 conductor	[mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5

Description	Color
Marshalling patchboard, 32-pos., chambers: gray/white	gray
Chambers: blue	gray
Marshalling patchboard, 48-pos., chambers: gray/white	gray
Chambers: blue	gray
Marshalling patchboard, 80-pos., chambers: gray/white	gray
Chambers: blue	gray
Marshalling patchboard, 32-pos., four connections per chamber, chambers: gray/white	gray
Chambers: blue	gray
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray
Chambers: blue	gray
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray
Chambers: blue	gray
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray
Marshalling patchboard, 32-pos., four connections per chamber, without actuation lever, chambers: gray/white	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTMC 1,5/32-3 19Z	3270311	18	
PTMC 1,5/32-3 /BU 19Z	3270313	18	
FTMC 1,5/32-3 19Z	3270351	18	
FTMC 1,5/32-3 /BU 19Z	3270353	18	

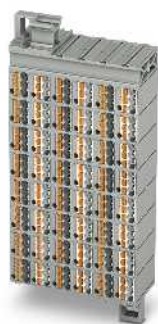
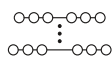
Cover flange, for direct mounting above	gray
Cover flange, for direct mounting below	gray
Adapter, for mounting on a DIN rail	black
Marker adapter, for holding the marking	gray

Accessories			
		Order No.	Pcs. / Pkt.
DF-PTMC-O		3270400	10
DF-PTMC-U		3270401	10
DF-PTMC-NS		3270403	10
DF-PTMC-ZB		3270410	10

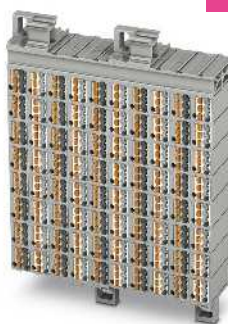
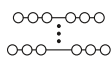
Marking
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UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
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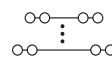




new



new



new

22 A, 48-pos., 288 connections, 6 connections per element

22 A, 80-pos., 480 connections, 6 connections per element

22 A, 32-pos., 128 connections

Technical data			
Width	Length	Height	
66	111	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Technical data			
Width	Length	Height	
110	111	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Technical data			
Width	Length	Height	
34.4	111	30	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>1)</sup>	500	0.14 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
17.5 <sup>1)</sup>	-	-	-
26 - 12	-	-	-
solid	stranded	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/48-3 19Z	3270319	10
PTMC 1,5/48-3 /BU 19Z	3270321	10
FTMC 1,5/48-3 19Z	3270359	10
FTMC 1,5/48-3 /BU 19Z	3270361	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/80-3 19Z	3270325	6
PTMC 1,5/80-3 /BU 19Z	3270327	6
FTMC 1,5/80-3 19Z	3270365	6
FTMC 1,5/80-3 /BU 19Z	3270367	6

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTMC 1,5/32-2H 19Z	3270316	24
PTMC 1,5/32-2H /BU 19Z	3270317	24
FTMC 1,5/32-2H 19Z	3270356	24
FTMC 1,5/32-2H /BU 19Z	3270357	24

Accessories		
Type	Order No.	Pcs. / Pkt.
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

Accessories		
Type	Order No.	Pcs. / Pkt.
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

Accessories		
Type	Order No.	Pcs. / Pkt.
DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

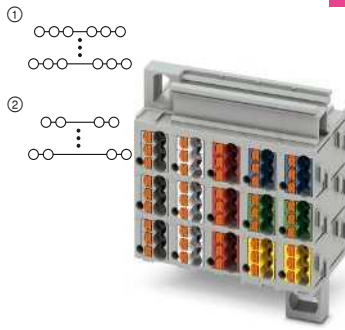
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)

# Terminal blocks - CLIPLINE complete

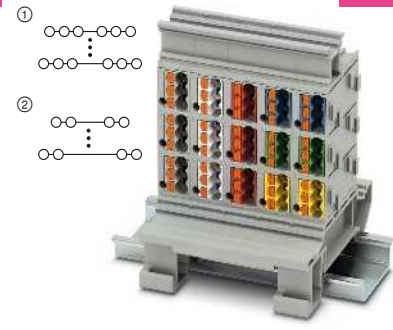
## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Marshalling patchboards for free assembly

- The marshalling patchboards can be easily configured and ordered with just a click of the mouse in the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products).
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page



22 A, direct mounting



22 A, DIN rail mounting

<b>Notes:</b>
1) For additional accessories and technical data, see page 86.
2) Derating curve available on request.

Dimensions		[mm]
<b>Max. electrical data</b>		
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	10 <sup>2</sup> ) / 1.5
Cross section range	AWG	26 - 12
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.14 - 2.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 2.5

Technical data <sup>1)</sup>				
Width	Length	Height		
-	30	16.6		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)		
22 <sup>2)</sup>	500	0.14 - 2.5 -		
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
10 <sup>2)</sup> / 1.5	-	-	-	
26 - 12	-	-	-	
solid		stranded		Ferrule without/with plastic sleeve
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5	

Technical data <sup>1)</sup>				
Width	Length	Height		
-	63	26.2 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)		
22 <sup>2)</sup>	500	0.14 - 2.5 -		
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
10 <sup>2)</sup> / 1.5	-	-	-	
26 - 12	-	-	-	
solid		stranded		Ferrule without/with plastic sleeve
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5	

Description	Color	Type	Order No.	Pcs. / Pkt.
Marshalling patchboard, 3 connections, 1-row	gray	PTMC 1,5 /1-3 -DF	① 3001929	1
	gray	PTMC 1,5 /2-3 -DF	① 3001930	1
	gray	PTMC 1,5 /3-3 -DF	① 3001931	1
	gray	PTMC 1,5 /4-3 -DF	① 3001932	1
	gray	PTMC 1,5 /5-3 -DF	① 3001933	1
	gray	PTMC 1,5 /6-3 -DF	① 3001934	1
	gray	PTMC 1,5 /7-3 -DF	① 3001935	1
	gray	PTMC 1,5 /8-3 -DF	① 3001936	1
	Marshalling patchboard, 2 connections, 1-row	gray	PTMC 1,5 /1-2 -DF	② 3001937
gray		PTMC 1,5 /2-2 -DF	② 3001940	1
gray		PTMC 1,5 /3-2 -DF	② 3001942	1
gray		PTMC 1,5 /4-2 -DF	② 3001943	1
gray		PTMC 1,5 /5-2 -DF	② 3001944	1
gray		PTMC 1,5 /6-2 -DF	② 3001945	1
gray		PTMC 1,5 /7-2 -DF	② 3001946	1
gray		PTMC 1,5 /8-2 -DF	② 3001947	1
Marshalling patchboard, without actuation lever, 3 connections, 1-row		gray	FTMC 1,5 /1-3 -DF	① 3001975
	gray	FTMC 1,5 /2-3 -DF	① 3001976	1
	gray	FTMC 1,5 /3-3 -DF	① 3001977	1
	gray	FTMC 1,5 /4-3 -DF	① 3001978	1
	gray	FTMC 1,5 /5-3 -DF	① 3001979	1
	gray	FTMC 1,5 /6-3 -DF	① 3001980	1
	gray	FTMC 1,5 /7-3 -DF	① 3001981	1
	gray	FTMC 1,5 /8-3 -DF	① 3001982	1
	gray	FTMC 1,5 /1-2 -DF	② 3001984	1
Marshalling patchboard, without actuation lever, 2 connections, 1-row	gray	FTMC 1,5 /2-2 -DF	② 3001985	1
	gray	FTMC 1,5 /3-2 -DF	② 3001986	1
	gray	FTMC 1,5 /4-2 -DF	② 3001987	1
	gray	FTMC 1,5 /5-2 -DF	② 3001988	1
	gray	FTMC 1,5 /6-2 -DF	② 3001989	1
	gray	FTMC 1,5 /7-2 -DF	② 3001990	1
	gray	FTMC 1,5 /8-2 -DF	② 3001991	1

Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTMC 1,5 /1-3 -NS	① 3001905	1		
PTMC 1,5 /2-3 -NS	① 3001906	1		
PTMC 1,5 /3-3 -NS	① 3001907	1		
PTMC 1,5 /4-3 -NS	① 3001908	1		
PTMC 1,5 /5-3 -NS	① 3001910	1		
PTMC 1,5 /6-3 -NS	① 3001911	1		
PTMC 1,5 /7-3 -NS	① 3001913	1		
PTMC 1,5 /8-3 -NS	① 3001914	1		
PTMC 1,5 /1-2 -NS	② 3001915	1		
PTMC 1,5 /2-2 -NS	② 3001916	1		
PTMC 1,5 /3-2 -NS	② 3001917	1		
PTMC 1,5 /4-2 -NS	② 3001918	1		
PTMC 1,5 /5-2 -NS	② 3001919	1		
PTMC 1,5 /6-2 -NS	② 3001920	1		
PTMC 1,5 /7-2 -NS	② 3001921	1		
PTMC 1,5 /8-2 -NS	② 3001922	1		
FTMC 1,5 /1-3 -NS	① 3001957	1		
FTMC 1,5 /2-3 -NS	① 3001958	1		
FTMC 1,5 /3-3 -NS	① 3001959	1		
FTMC 1,5 /4-3 -NS	① 3001960	1		
FTMC 1,5 /5-3 -NS	① 3001961	1		
FTMC 1,5 /6-3 -NS	① 3001962	1		
FTMC 1,5 /7-3 -NS	① 3001963	1		
FTMC 1,5 /8-3 -NS	① 3001964	1		
FTMC 1,5 /1-2 -NS	② 3001965	1		
FTMC 1,5 /2-2 -NS	② 3001966	1		
FTMC 1,5 /3-2 -NS	② 3001968	1		
FTMC 1,5 /4-2 -NS	② 3001969	1		
FTMC 1,5 /5-2 -NS	② 3001971	1		
FTMC 1,5 /6-2 -NS	② 3001972	1		
FTMC 1,5 /7-2 -NS	② 3001973	1		
FTMC 1,5 /8-2 -NS	② 3001974	1		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
DF-PTMC-O	3270400	10		
DF-PTMC-U	3270401	10		
DF-PTMC-NS	3270403	10		
DF-PTMC-ZB	3270410	10		

Accessories <sup>1)</sup>	
Cover flange, for direct mounting above	gray
Cover flange, for direct mounting below	gray
Adapter, for mounting on a DIN rail	black
Marker adapter, for holding the marking	gray

Accessories <sup>1)</sup>				
Type	Order No.	Pcs. / Pkt.		
DF-PTMC-O	3270400	10		
DF-PTMC-U	3270401	10		
DF-PTMC-NS	3270403	10		
DF-PTMC-ZB	3270410	10		

Accessories <sup>1)</sup>				
Type	Order No.	Pcs. / Pkt.		
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)				
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)				

<b>Marking</b>	UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
----------------	--

<b>Marking</b>	UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
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<b>Marking</b>	UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)
----------------	--

### Ordering example: configurable marshalling patchboard

**Ordering example:**

A marshalling patchboard should be configured as follows:

Actuation lever, screw fixing of marshalling patchboard, three connections per individual element.  
Four rows in the X direction and ten columns in the Y direction.

Please select Order No. **3001932** from the configurable items.  
In the order designation, the 4 means -> four rows in the X direction  
In the order designation, the 3 means -> three connections

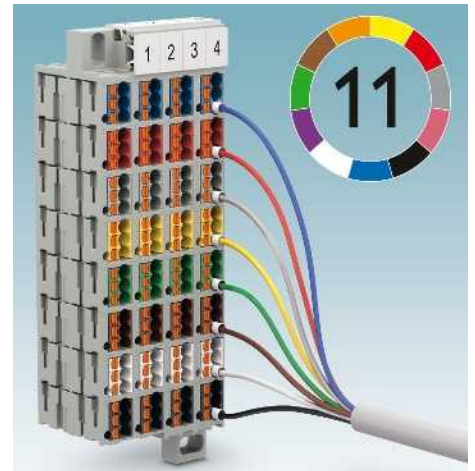
- Row 1: blue
- Row 2: red
- Row 3: gray
- Row 4: yellow

Only rows of the same color are viable in the X direction.  
Please state the number of columns when ordering. A minimum of 2 columns and a maximum of 20 columns can be ordered.

Please order marker adapter, DF-PTMC-ZB Order No. **3270410**, as an accessory.

Available colors:

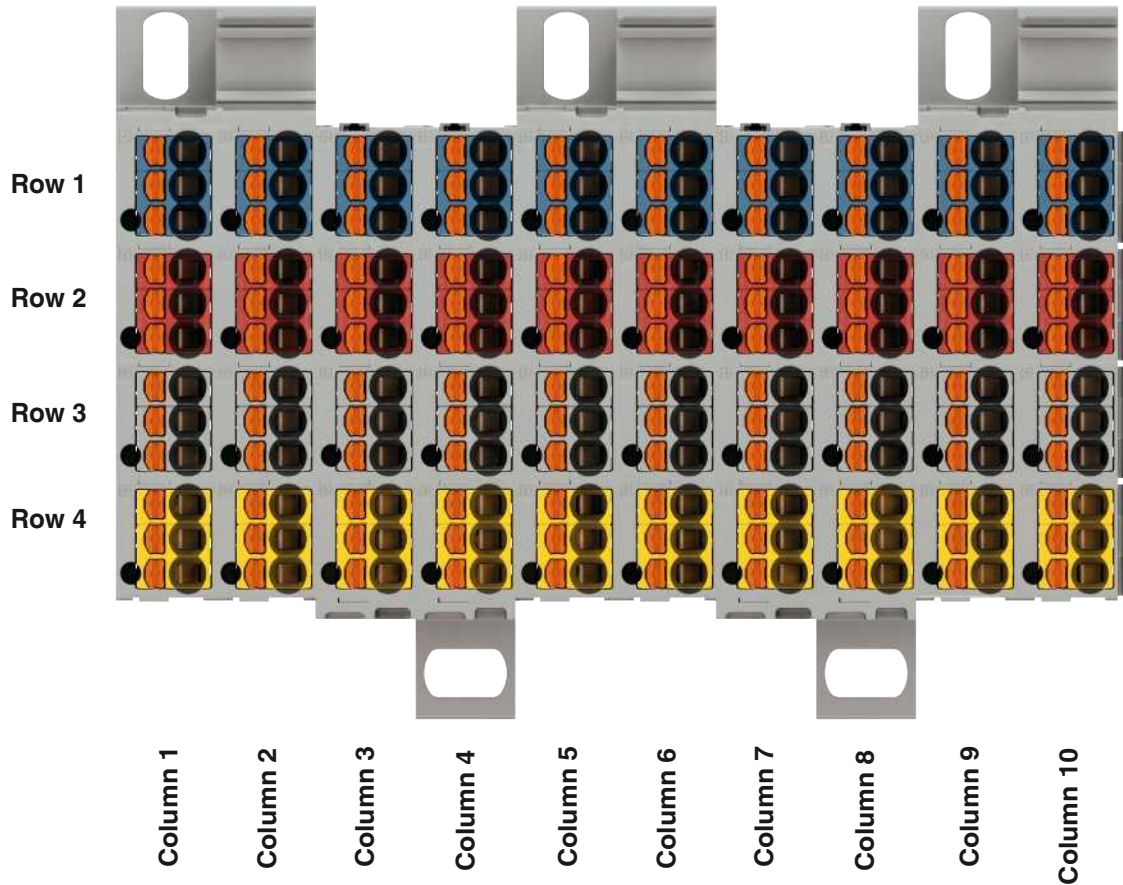
- BU Blue
- RD Red
- GY Gray
- YE Yellow
- GN Green
- BN Brown
- WH White
- BK Black
- VT Violet
- OG Orange
- PK Pink



### The ordering data for this order example is therefore:

Order No.	Columns	Row 1	Row 2	Row 3	Row 4
3001932	10	BU	RD	GY	YE

Fixing material for panel or DIN rail mounting will be supplied in sufficient quantities.

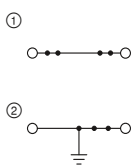


# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

**Notes:**  
 1) For additional accessories and technical data, see page 86.



17.5 A, feed-through terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	50.7	38.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-14	
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
17.5 / 1.5	15 / -	15 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 1,5/S	① 3214547	50	
PTS 1,5/S BU	① 3214550	50	
PTS 1,5/S-PE	② 3214563	50	

Accessories <sup>1)</sup>		
D-PTS 1,5/S	Order No.	Pcs. / Pkt.
D-PTS 1,5/S	3214576	50

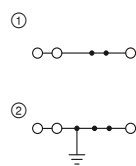
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
17.5	
500	
17.5 / 1.5	

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



17.5 A, feed-through terminal block, 3 connections



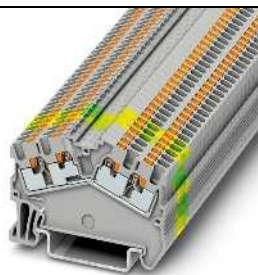
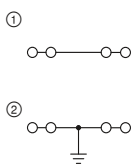
Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	50.7	38.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-14	
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
17.5 / 1.5	15 / -	15 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 1,5/S-TWIN	① 3214589	50	
PTS 1,5/S-TWIN BU	① 3214592	50	
PTS 1,5/S-TWIN-PE	② 3214602	50	

Accessories <sup>1)</sup>		
D-PTS 1,5/S	Order No.	Pcs. / Pkt.
D-PTS 1,5/S	3214576	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

**Notes:**  
 1) For additional accessories and technical data, see page 86.



17.5 A, feed-through terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	50.7	38.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	26-14	
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
17.5 / 1.5	15 / -	15 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 1,5/S-QUATTRO	① 3214615	50	
PTS 1,5/S-QUATTRO BU	① 3214631	50	
PTS 1,5/S-QUATTRO-PE	② 3214644	50	

Accessories <sup>1)</sup>		
D-PTS 1,5/S	Order No.	Pcs. / Pkt.
D-PTS 1,5/S	3214576	50

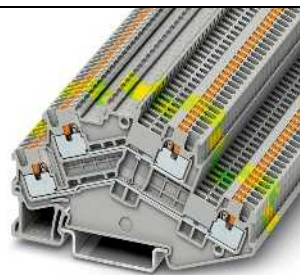
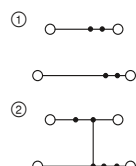
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
-	
500	
17.5 / 1.5	

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



16 A, double-level terminal block



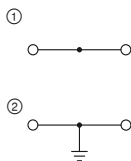
Technical data <sup>1)</sup>				
Width	Length	Height		
3.5	78.8	48.2 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	500	0.14 - 1.5	26-14	
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
16 / 1.5	15 / -	15 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 1,5/S	① 3214657	50	
PTTBS 1,5/S BU	① 3214660	50	
PTTBS 1,5/S-PV	② 3214686	50	
PTTBS 1,5/S-PE	③ 3214673	50	

Accessories <sup>1)</sup>		
D-PTTBS 1,5/S	Order No.	Pcs. / Pkt.
D-PTTBS 1,5/S	3214699	50

Mini feed-through terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 86.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, mini feed-through terminal block



Ex: SEV14ATEX0140U / IECEx SEV14.0010U

Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	3.5	33.55	28.1 (NS 15)	
<b>Max. electrical data</b>	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	17.5	500	0.14 - 1.5	26-14
Max. bridge current	17.5			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	352
Nominal current / cross section	17.5 / 1.5	15 / -	15 / -	14.5 / 1.5
Ordering data				
Description	Type	Order No.	Pcs. / Pkt.	
<b>Terminal block</b>	MPT 1,5/S	3248100	50	
	MPT 1,5/S BU	3248101	50	
<b>Ground terminal</b>	MPT 1,5/S-PE	3248110	50	
Accessories <sup>1)</sup>				
Cover, width 2.2 mm	D-MPT 1,5/S	3248120	50	

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### General technical data for 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	2.5			
Cross section range	AWG	26 - 12			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
<b>General data</b>					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

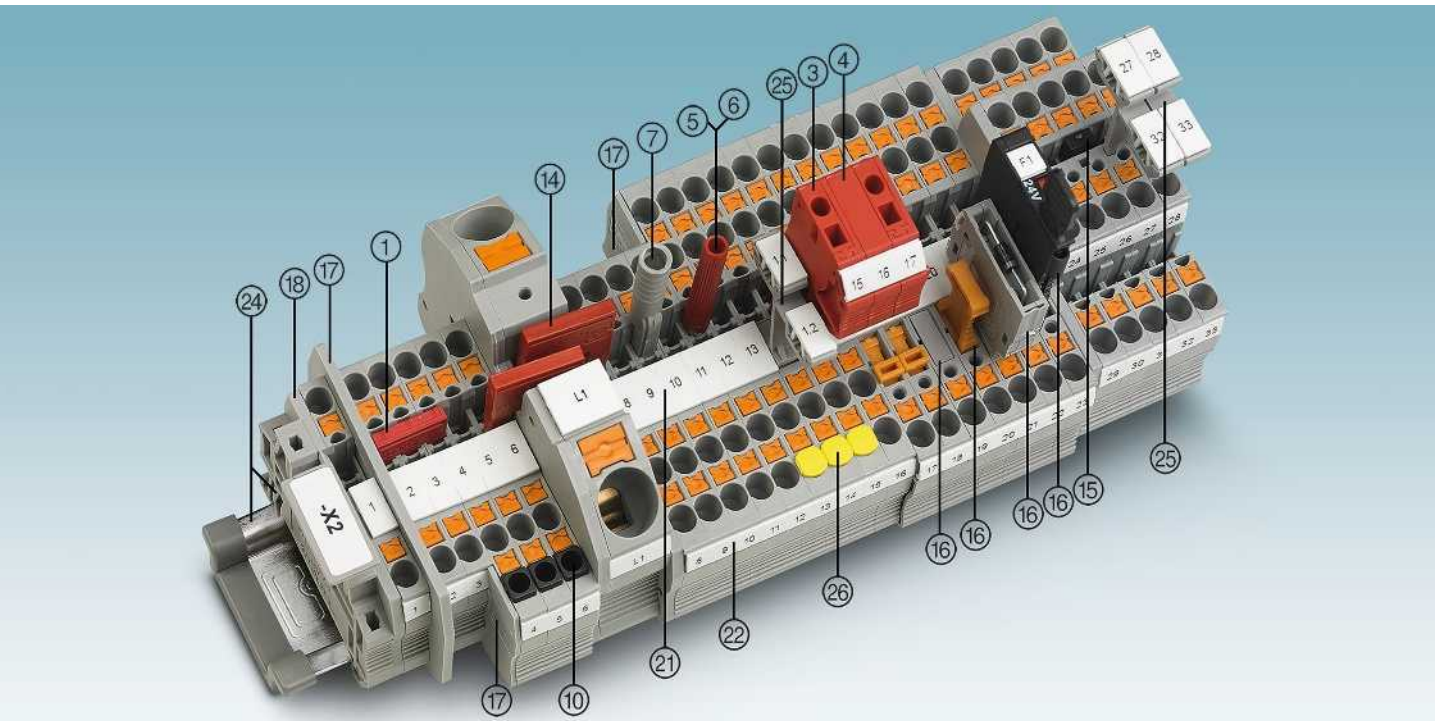


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks



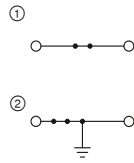
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve		white	ISH 2,5/0,2	3002843	50			
	0.25 - 0.5 mm <sup>2</sup>	gray	ISH 2,5/0,5	3002856	50			
	0.75 - 1 mm <sup>2</sup>	black	ISH 2,5/1,0	3002869	50			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Vertical potential bridge	For FBS-PV ..., see page 341.
⑯ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Center groove marking	UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.
⑲ Center and lateral groove marking	UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.
⑳ DIN rails and end brackets	See Catalog 5.
㉑ Marker carrier	For STP ..., see page 352.
㉒ Cover for conductor shaft	For CEC ..., see page 348.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 For information on installation and using accessories for Ex applications, see page 602.



30 A, feed-through terminal block

Ex: 
  
 PTB 09ATEX1111U / IECEx PTB 10.0021U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	48.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
24 / 2.5	20 / -	20 / -	19 / 2.5	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5	① 3209510	50
PT 2,5 BU	① 3209523	50
PT 2,5-PE	② 3209536	50

#### Accessories<sup>1)</sup>

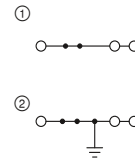
Type	Order No.	Pcs. / Pkt.
D-ST 2,5	3030417	50

Dimensions	[mm]
Width	5.2
Length	48.5
Height	36.5 (NS 35/7,5)

Max. electrical data	[A]
Max. bridge current	30
Rated data	24 (FBS) / 17.5 (FBSR)
Rated voltage	800
Nominal current / cross section	24 / 2.5

Description	Color
Terminal block	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
Cover, width 0.8 mm	orange



30 A, feed-through terminal block, 3 connections

Ex: 
  
 PTB 09ATEX1111U / IECEx PTB 10.0021U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	60.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
24 / 2.5	20 / -	20 / -	19 / 2.5	

#### Ordering data

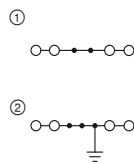
Type	Order No.	Pcs. / Pkt.
PT 2,5-TWIN	① 3209549	50
PT 2,5-TWIN BU	① 3209552	50
PT 2,5-TWIN-PE	② 3209565	50

#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-ST 2,5-TWIN	3030488	50
D-ST 2,5-TWIN-0,8 OG	3030512	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 For information on installation and using accessories for Ex applications, see page 602.



30 A, feed-through terminal block, 4 connections

Ex: 
  
 PTB 09ATEX1111U / IECEx PTB 10.0021U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	72.2	36.8 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
24 / 2.5	20 / -	20 / -	19 / 2.5	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 2,5-QUATTRO	① 3209578	50
PT 2,5-QUATTRO BU	① 3209581	50
PT 2,5-QUATTRO-PE	② 3209594	50

#### Accessories<sup>1)</sup>

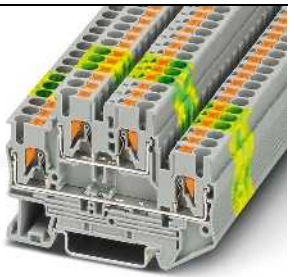
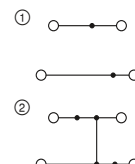
Type	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO	3030514	50
D-ST 2,5-QUATTRO-0,8 OG	3030513	50

Dimensions	[mm]
Width	5.2
Length	72.2
Height	36.8 (NS 35/7,5)

Max. electrical data	[A]
Max. bridge current	30
Rated data	24 (FBS) / 17.5 (FBSR)
Rated voltage	800
Nominal current / cross section	24 / 2.5

Description	Color
Terminal block	gray
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
Cover, width 0.8 mm	orange



26 A, double-level terminal block, 4 connections

Ex: 
  
 PTB 09ATEX1111U / IECEx PTB 10.0021U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	68	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	440	
22 / 2.5	20 / -	20 / -	18 / 2.5	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PTTB 2,5	① 3210567	50
PTTB 2,5 BU	① 3210570	50
PTTB 2,5-PV	② 3210583	50
PTTB 2,5-PE	③ 3210596	50

#### Accessories<sup>1)</sup>

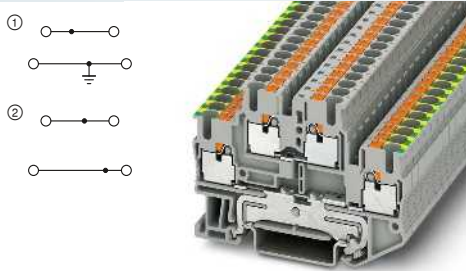
Type	Order No.	Pcs. / Pkt.
D-PTTB 2,5	3211634	50

# Terminal blocks - CLIPLINE complete

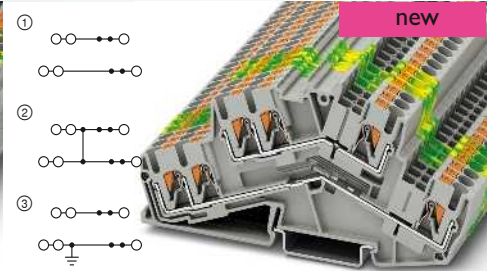
## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
1) For additional accessories and technical data, see page 110.



30 A, double-level terminal block with PE foot



24 A, double-level terminal block, 3 connections per level



Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	68	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	500	0.14 - 4	24-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
24 / 2.5	20 / -	20 / -	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	111.8	55 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	-	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
22 / 2.5	-	-	-	

Description	Color
<b>Terminal block</b>	
upper level blue	gray
upper level blue	gray
upper level blue	gray
	gray
	blue
With potential distribution	gray
<b>Ground terminal</b>	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 2,5-PE/L	① 3210978	50	
PTTB 2,5-PE/N	① 3210981	50	
PTTB 2,5-L/N	② 3210994	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 2,5-TWIN	① 3210600	50	
PTTBS 2,5-TWIN BU	① 3210601	50	
PTTBS 2,5-TWIN-PV	② 3210603	50	
PTTBS 2,5-TWIN-PE	③ 3210602	50	

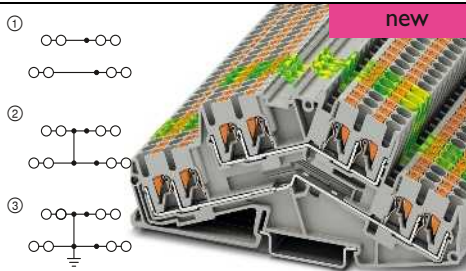
Accessories <sup>1)</sup>	
<b>D-PTTB 2,5</b>	3211634 50

Accessories <sup>1)</sup>	
<b>D-PTTB 2,5</b>	3211634 50

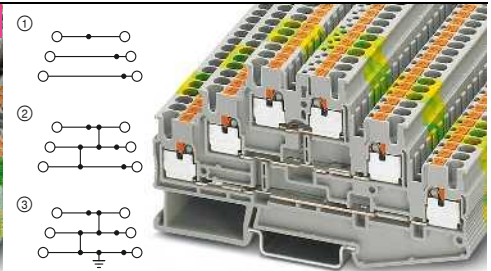
Accessories <sup>1)</sup>	
<b>D-PTTBS 2,5-TWIN</b>	3210608 50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
1) For additional accessories and technical data, see page 110.  
For information on installation and using accessories for Ex applications, see page 602.



24 A, double-level terminal block, 4 connections per level



24 A, multi-level terminal block



Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	115.2	55 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	-	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
22 / 2.5	-	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	102	58 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	440	
20 / 2.5	20 / -	20 / -	17 / 2.5	

Description	Color
<b>Terminal block</b>	
blue	gray
With potential distribution	gray
<b>Ground terminal</b>	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 2,5-QUATTRO	① 3210609	50	
PTTBS 2,5-QUATTRO BU	① 3210610	50	
PTTBS 2,5-QUATTRO-PV	② 3210612	50	
PTTBS 2,5-QUATTRO-PE	③ 3210611	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-3L	① 3210499	50	
PT 2,5-3L BU	① 3210509	50	
PT 2,5-3PV	② 3210512	50	
PT 2,5-3PE	③ 3210525	50	

Accessories <sup>1)</sup>	
<b>D-PTTBS 2,5-QUATTRO</b>	3210613 50

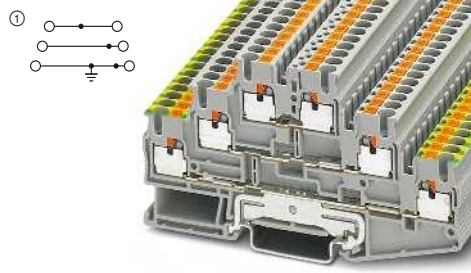
Accessories <sup>1)</sup>	
<b>D-PTTBS 2,5-QUATTRO</b>	3210613 50

Accessories <sup>1)</sup>	
<b>D-PT 2,5-3L</b>	3211647 50



### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 110.



24 A, three-level terminal block with PE foot



25 A, four-level terminal block with PE foot



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	102	58 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	24	500	0.14 - 4	26-12
	20 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	500	300	300	-
	20 / 2.5			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-PE/L/L	3210541	50	
PT 2,5-PE/L/N	3210538	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PT 2,5-3L	3211647	50	

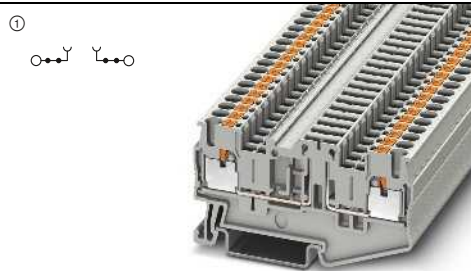
Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	99.5	92.6 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	25	800	0.14 - 4	-
	20 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	800	-	-	-
	20 / 2.5			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-PE/3L	3210542	50	

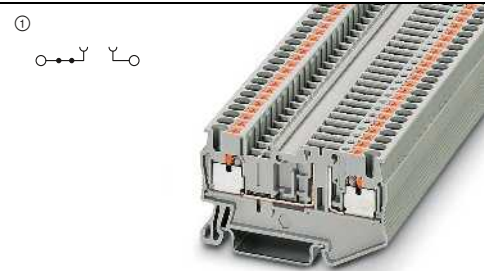
Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PT 2,5-PE/3L	3210543	50	

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, with 4 function shafts



20 A, disconnect terminal block, with 2 function shafts



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	70.1	36.8 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	16	400 <sup>2)</sup>	0.14 - 4	26-12
	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	400 <sup>2)</sup>	600	600	-
	16 / 2.5			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-TGB	3210192	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PT 2,5-MTB	3210196	50	

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	62	36.5 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	400 <sup>2)</sup>	0.14 - 4	26-12
	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	400 <sup>2)</sup>	300	300	-
	20 / 2.5			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-TG	3210185	50	

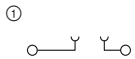
Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PT 2,5-MT	3211003	50	

# Terminal blocks - CLIPLINE complete

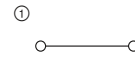
## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, feed-through terminal block, same shape

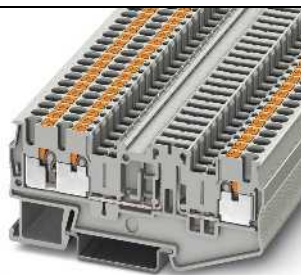
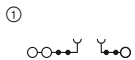
Dimensions	
	[mm]
Max. electrical data	
	[mm]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
	Color
Disconnect terminal block	gray
Feed-through terminal block, same shape	gray blue
Cover, width 2.2 mm	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	56	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400 <sup>2)</sup>	0.14 - 4	-	
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	-	-	-	
20 / 2.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTC 2,5-TG	3270088	50		
Accessories <sup>1)</sup>				
D-PTC 2,5-MT	3270097	50		

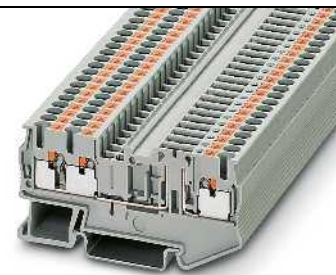
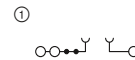
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	56	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.14 - 4	-	
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
20 / 2.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTC 2,5-MTD	3270106	50		
PTC 2,5-MTD BU	3270109	50		
Accessories <sup>1)</sup>				
D-PTC 2,5-MT	3270097	50		

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, 3 connections, 4 function shafts



20 A, disconnect terminal block, 3 connections, 2 function shafts



Dimensions	
	[mm]
Max. electrical data	
	[mm]
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
	Color
Disconnect terminal block	gray
Cover, width 2.2 mm	

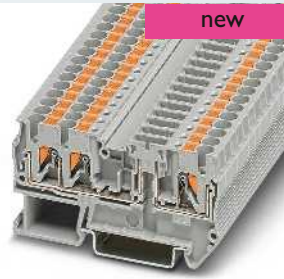
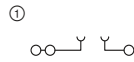
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	81.9	36.7 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	400 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	600	600	-	
16 / 2.5	16 / -	16 / -	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PT 2,5-TWIN-TGB	3210193	50		
Accessories <sup>1)</sup>				
D-PT 2,5-TWIN-MTB	3210202	50		

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	74	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
20 / 2.5	20 / -	20 / -	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PT 2,5-TWIN-TG	3210198	50		
Accessories <sup>1)</sup>				
D-PT 2,5-TWIN-MT	3211317	50		

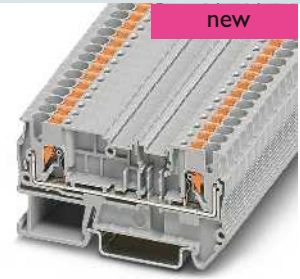
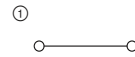
## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 3 connections



20 A, feed-through terminal block, same shape

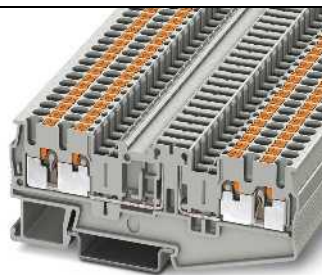
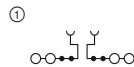
Dimensions	
Width	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
Disconnect terminal block	gray
Feed-through terminal block, same shape	gray blue
Cover, width 2.2 mm	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	67.8	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400 <sup>2)</sup>	0.14 - 4	-	
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	-	-	-	
20 / 2.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTC 2,5-TWIN-TG	3270091	50		
Accessories <sup>1)</sup>				
D-PTC 2,5-TWIN-MT	3270100	50		

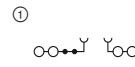
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	67.8	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.14 - 4	-	
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
20 / 2.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTC 2,5-TWIN-MTD	3270110	50		
PTC 2,5-TWIN-MTD BU	3270111	50		
Accessories <sup>1)</sup>				
D-PTC 2,5-TWIN-MT	3270100	50		

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, 4 connections, 4 function shafts



20 A, disconnect terminal block, 4 connections, 2 function shafts



Dimensions	
Width	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
Disconnect terminal block	gray
Cover, width 2.2 mm	gray

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	92.2	36.7 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	400 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	600	600	-	
16 / 2.5	16 / -	16 / -	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PT 2,5-QUATTRO-TGB	3210194	50		
Accessories <sup>1)</sup>				
D-PT 2,5-QUATTRO-MTB	3210209	50		

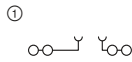
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	84	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
20 / 2.5	20 / -	20 / -	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PT 2,5-QUATTRO-TG	3210208	50		
Accessories <sup>1)</sup>				
D-ST 2,5-QUATTRO-MT	3038590	50		

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.

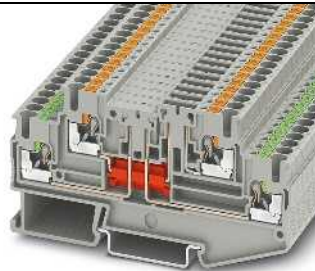
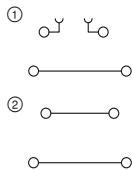


**20 A, disconnect terminal block, 4 connections**

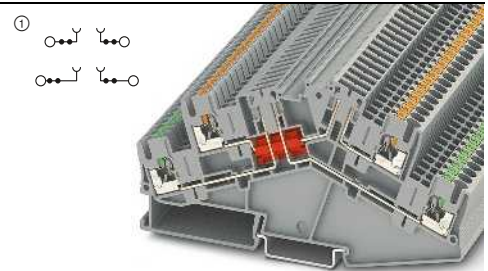
		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	79.6	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		20	400 <sup>2)</sup>	0.14 - 4	-
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400 <sup>2)</sup>	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	-	-	-
		Ordering data			
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
Disconnect terminal block	gray	PTC 2,5-QUATTRO-TG	① 3270094	50	
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>	gray	D-ST 2,5-QUATTRO-MT	3038590	50	

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) Current and voltage are determined by the plug used.



**16 A, double-level terminal block, one disconnect zone**



**16 A, double-level terminal block, two disconnect zones**

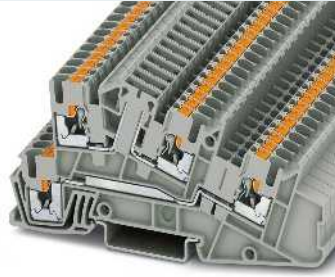
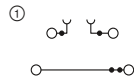
		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	92.4	47.4 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		16 <sup>2)</sup>	400	0.14 - 4	26-12
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>2)</sup> / 2.5	16	16	-
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
Disconnect terminal block	gray	PTT 2,5-L/TG	① 3210230	50	
	blue	PTT 2,5-L/TG BU	① 3210270	50	
Feed-through terminal block, same shape	gray	PTT 2,5-2L	② 3210267	50	
	blue	PTT 2,5-2L BU	② 3210268	50	
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>	gray	D-PTT 2,5-2MT-0,8	3210300	50	
<b>Cover, width 0.8 mm</b>	gray	D-PTT 2,5-2MT-0,8 OG	3210299	50	

		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	127.5	64.3 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		16 <sup>2)</sup>	400 <sup>2)</sup>	0.14 - 4	26-12
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400 <sup>2)</sup>	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>2)</sup> / 2.5	16	10	-
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
Disconnect terminal block	gray	PTTBS 2,5-2TGB	① 3210402	50	
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>	gray	D-PTTBS 2,5-2MTB	3210404	50	

### Disconnect and knife disconnect terminal blocks

**Notes:**

- 1) For additional accessories and technical data, see page 110.
- 2) Current and voltage are determined by the plug used.
- 3) 3-pos. termination block.



**30 A, three-level terminal block, 1 x L outer conductor, 1 x disconnect zone**



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	101	50.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>3)</sup>	400 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	20 / -	-	-	
Rated cross section [mm <sup>2</sup> ]				
4				
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
16 / 1.5 (disconnect level)				
Connection capacity		Ferrule without/with plastic sleeve		
		solid	stranded	
1 conductor	[mm <sup>2</sup> ]	0.14 - 4	0.14 - 4	0.14 - 2.5 0.14 - 2.5

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PTI 2,5-L/TG	3213961	50

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-PTI/3B	3213976	50

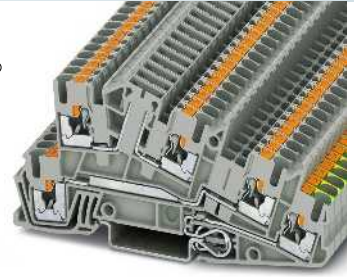
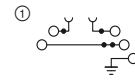
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Connection capacity	
1 conductor	[mm <sup>2</sup> ]

Description	Color
Terminal block	gray

Cover, width 2.2 mm	gray
---------------------	------



**30 A, three-level terminal block, 1 x L outer conductor, 1 x PE, 1 x disconnect zone**



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	101	50.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>3)</sup>	400 <sup>2)</sup>	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	20 / -	-	-	
Rated cross section [mm <sup>2</sup> ]				
4				
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
16 / 1.5 (disconnect level)				
Connection capacity		Ferrule without/with plastic sleeve		
		solid	stranded	
1 conductor	[mm <sup>2</sup> ]	0.14 - 4	0.14 - 4	0.14 - 2.5 0.14 - 2.5

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PTI 2,5-PE/LTG	3213960	50

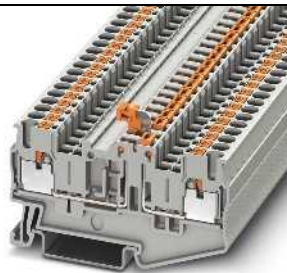
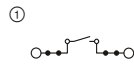
**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-PTI/3B	3213976	50

### Disconnect and knife disconnect terminal blocks

**Notes:**

- 1) For additional accessories and technical data, see page 110.



**16 A, knife disconnect terminal block, 4 function shafts**



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	70.1	36.7 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	400	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
16 / 2.5	20 / -	20 / -	-	

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PT 2,5-MTB	3210157	50
PT 2,5-MTB BU	3210163	50

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-PT 2,5-MTB	3210196	50

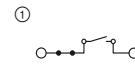
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Knife disconnect terminal block	gray blue

Cover, width 2.2 mm	gray
---------------------	------



**20 A, knife disconnect terminal block, 2 function shafts**



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	62	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
20 / 2.5	20 / -	20 / -	-	

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PT 2,5-MT	3210156	50
PT 2,5-MT BU	32101650	50

**Accessories<sup>1)</sup>**

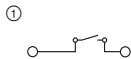
Type	Order No.	Pcs. / Pkt.
D-PT 2,5-MT	3211003	50

# Terminal blocks - CLIPLINE complete

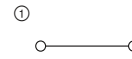
## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.



20 A, knife disconnect terminal block



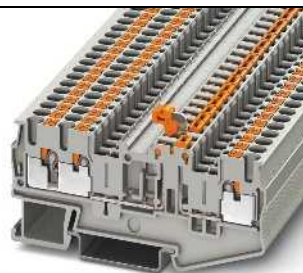
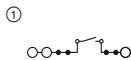
20 A, feed-through terminal block, same shape

		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	56	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		20	400	0.14 - 4	-
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	-	-	-
		Ordering data			
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
Knife disconnect terminal block	gray	PTC 2,5-MT	3270079	50	
Feed-through terminal block, same shape	gray blue				
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>		D-PTC 2,5-MT	3270097	50	

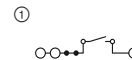
		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	56	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		20	400	0.14 - 4	-
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	-	-	-
		Ordering data			
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
		PTC 2,5-MTD	3270106	50	
		PTC 2,5-MTD BU	3270109	50	
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>		D-PTC 2,5-MT	3270097	50	

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.



16 A, knife disconnect terminal block, 3 connections, 4 function shafts



20 A, knife disconnect terminal block, 3 connections, 2 function shafts

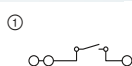


		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	81.9	36.7 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		16	400	0.14 - 4	26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 2.5	16 / -	16 / -	-
		Ordering data			
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
Knife disconnect terminal block	gray	PT 2,5-TWIN-MTB	3210170	50	
	blue	PT 2,5-TWIN-MTB BU	3210177	50	
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>	gray	D-PT 2,5-TWIN-MTB	3210202	50	

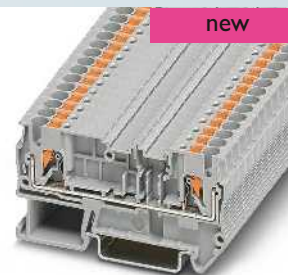
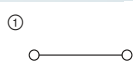
		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		5.2	74	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		20	400	0.14 - 4	26-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	20 / -	20 / -	-
		Ordering data			
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
		PT 2,5-TWIN-MT	3210169	50	
		PT 2,5-TWIN-MT BU	3211663	50	
		Accessories <sup>1)</sup>			
<b>Cover, width 2.2 mm</b>		D-PT 2,5-TWIN-MT	3211317	50	

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) The max. load current must not be exceeded by the total current of all connected conductors.



20 A, knife disconnect terminal block, 3 connections



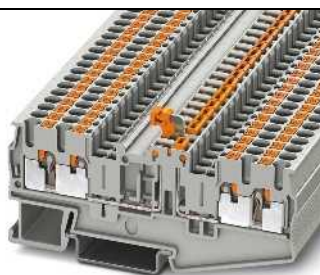
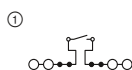
20 A, feed-through terminal block, same shape

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	67.8	36.5 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20 <sup>2)</sup>	400	0.14 - 4	-
Rated data	IEC	UL / CUL	CSA	Ex
	400	-	-	-
Nominal current / cross section	20 <sup>2)</sup> / 2.5			
Ordering data				
Description	Type	Order No.	Pcs. / Pkt.	
Knife disconnect terminal block	PTC 2,5-TWIN-MT	3270082	50	
Feed-through terminal block, same shape				
Accessories <sup>1)</sup>				
Cover, width 2.2 mm	D-PT 2,5-TWIN-MT	3211317	50	

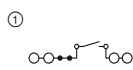
Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	67.8	36.5 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	400	0.14 - 4	-
Rated data	IEC	UL / CUL	CSA	Ex
	400	-	-	-
Nominal current / cross section	20 / 2.5			
Ordering data				
Description	Type	Order No.	Pcs. / Pkt.	
Knife disconnect terminal block	PTC 2,5-TWIN-MTD	3270110	50	
Feed-through terminal block, same shape	PTC 2,5-TWIN-MTD BU	3270111	50	
Accessories <sup>1)</sup>				
Cover, width 2.2 mm	D-PT 2,5-TWIN-MT	3211317	50	

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.



16 A, knife disconnect terminal block, 4 connections, 4 function shafts



20 A, knife disconnect terminal block, 4 connections, 2 function shafts

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	92.2	36.7 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	16	400	0.14 - 4	26-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	400	600	-	-
Nominal current / cross section	16 / 2.5			
Ordering data				
Description	Type	Order No.	Pcs. / Pkt.	
Knife disconnect terminal block	PT 2,5-QUATTRO-MTB	3210184	50	
	PT 2,5-QUATTRO-MTB BU	3210191	50	
Accessories <sup>1)</sup>				
Cover, width 2.2 mm	D-PT 2,5-QUATTRO-MTB	3210209	50	

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	84	36.5 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	400	0.14 - 4	26-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	400	300	300	-
Nominal current / cross section	20 / 2.5			
Ordering data				
Description	Type	Order No.	Pcs. / Pkt.	
Knife disconnect terminal block	PT 2,5-QUATTRO-MT	3210172	50	
	PT 2,5-QUATTRO-MT BU	3211676	50	
Accessories <sup>1)</sup>				
Cover, width 2.2 mm	D-ST 2,5-QUATTRO-MT	3038590	50	

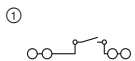
# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 110.



**20 A, knife disconnect terminal block, 4 connections**

**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height
[mm]	5.2	79.6	36.5 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	20	400	0.14 - 4 -
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage [V]	400	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	20 / 2.5	-	-

**Ordering data**

Description	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	PTC 2,5-QUATTRO-MT	3270085	50

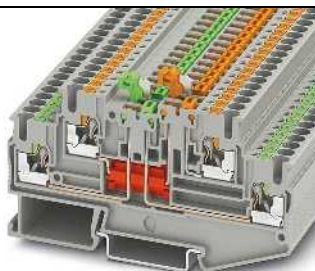
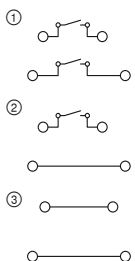
**Accessories<sup>1)</sup>**

Cover, width 2.2 mm	gray	D-ST 2,5-QUATTRO-MT	3038590	50
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### Disconnect and knife disconnect terminal blocks

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 110.



**16 A, double-level terminal block, two disconnect zones**

**Technical data<sup>1)</sup>**

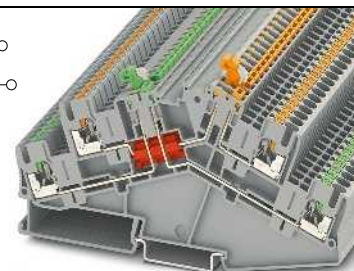
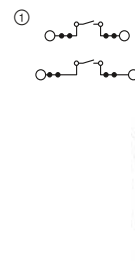
Dimensions	Width	Length	Height
[mm]	5.2	92.4	47.4 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	16	400	0.14 - 4 26-12
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage [V]	400	300	300 -
Nominal current / cross section [A] / [mm <sup>2</sup> ]	16 / 2.5	16	16 -

**Ordering data**

Description	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	PTT 2,5-2MT	3210258	50
	blue	PTT 2,5-2MT BU	3210265	50
Disconnection only in the upper level	gray	PTT 2,5-L/MT	3210251	50
	blue	PTT 2,5-L/MT BU	3210257	50
Feed-through terminal block, same shape	gray	PTT 2,5-2L	3210267	50
	blue	PTT 2,5-2L BU	3210268	50

**Accessories<sup>1)</sup>**

Cover, width 0.8 mm	gray	D-PTT 2,5-2MT-0,8	3210300	50
	orange	D-PTT 2,5-2MT-0,8 OG	3210299	50



**16 A, double-level terminal block, two knife disconnect zones, desk design**

**Technical data<sup>1)</sup>**

Dimensions	Width	Length	Height
[mm]	5.2	127.5	64.3 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	16	400	0.14 - 4 26-12
	20 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage [V]	400	300	300 -
Nominal current / cross section [A] / [mm <sup>2</sup> ]	16 / 2.5	16	10 -

**Ordering data**

Description	Color	Type	Order No.	Pcs. / Pkt.
Knife disconnect terminal block	gray	PTTBS 2,5-2MTB	3210400	50
	blue	PTTBS 2,5-2MTB BU	3210401	50

**Accessories<sup>1)</sup>**

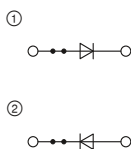
Cover, width 0.8 mm	gray	D-PTTBS 2,5-2MTB	3210404	50
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## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.



0.5 A, diode terminal block, 1N 4007  
(1300 V/0.5 A)

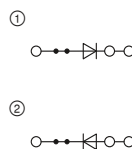


Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	48.5	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\emptyset$ [mm <sup>2</sup> ]	AWG (UL)
	0.5	800	0.14 - 4	26-12
	24 (FBS) / 17.5 (FBSR)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	800	300	300	-
Nominal current / cross section	0.5 / 1	20 / -	0.5 / -	-

Ordering data			
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
PT 2,5-DIO/L-R	① 3210224	50	
PT 2,5-DIO/R-L	② 3210237	50	

Accessories <sup>1)</sup>		
<b>D-ST 2,5</b>	<b>3030417</b>	50

<b>Description</b>	<b>Color</b>
<b>Terminal block</b> , for conducting direction see circuit diagram	gray
	gray
<b>Cover</b> , width 2.2 mm	gray



0.5 A, diode terminal block, 1N 4007  
(1300 V/0.5 A), 3 connections



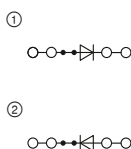
Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	60.5	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\emptyset$ [mm <sup>2</sup> ]	AWG (UL)
	0.5	800	0.14 - 4	26-12
	24 (FBS) / 17.5 (FBSR)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	800	300	300	-
Nominal current / cross section	0.5 / 1	20 / -	0.5 / -	-

Ordering data			
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
PT 2,5-TWIN-DIO/L-R	① 3210240	50	
PT 2,5-TWIN-DIO/R-L	② 3210253	50	

Accessories <sup>1)</sup>		
<b>D-ST 2,5-TWIN</b>	<b>3030488</b>	50

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.



0.5 A, diode terminal block, 1N 4007  
(1300 V/0.5 A), 4 connections

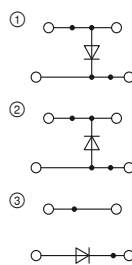


Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	72	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\emptyset$ [mm <sup>2</sup> ]	AWG (UL)
	0.5	800	0.14 - 4	26-12
	24 (FBS) / 17.5 (FBSR)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	800	300	300	-
Nominal current / cross section	0.5 / 1	20 / -	0.5 / -	-

Ordering data			
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
PT 2,5-QUATTRO-DIO/L-R	① 3210266	50	
PT 2,5-QUATTRO-DIO/R-L	② 3210279	50	

Accessories <sup>1)</sup>		
<b>D-ST 2,5-QUATTRO</b>	<b>3030514</b>	50

<b>Description</b>	<b>Color</b>
<b>Terminal block</b> , for conducting direction see circuit diagram	gray
	gray
<b>Cover</b> , width 2.2 mm	gray



26 A, double-level diode terminal block,  
1N 4007 (1300 V/0.5 A)



Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	68	47.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\emptyset$ [mm <sup>2</sup> ]	AWG (UL)
	26	500	0.14 - 4	26-12
	20 (FBS) / 17.5 (FBSR)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Rated voltage	500	300	300	-
Nominal current / cross section	20 / 2.5	20 / -	0.5 / -	-

Ordering data			
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>	
PTTB 2,5-DIO/O-U	① 3210923	50	
PTTB 2,5-DIO/U-O	② 3210936	50	
PTTB 2,5-DIO/UL-UR	③ 3211427	50	

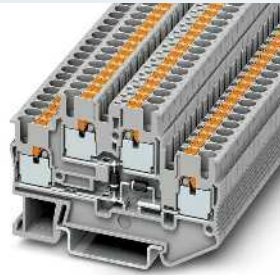
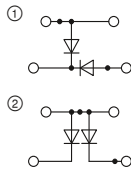
Accessories <sup>1)</sup>		
<b>D-PTTB 2,5</b>	<b>3211634</b>	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Diode and component terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.



**26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)**



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	68	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
20 / 2.5				

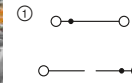
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 2,5-2DIO/O-UL/UR-UL	① 3211430	50	
PTTB 2,5-2DIO/O-UL/O-UR	② 3211443	50	

Accessories <sup>1)</sup>		
D-PTTB 2,5	Order No.	Pcs. / Pkt.
D-PTTB 2,5	3211634	50

Dimensions	
Width	Length
5.2	68

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
Terminal block, component can be soldered in	gray

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



**26 A, double-level terminal block for soldering in components**



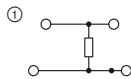
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	68	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.14 - 4	-	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
22 / 2.5				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 2,5-2BE	① 3211480	50	

Accessories <sup>1)</sup>		
D-PTTB 2,5	Order No.	Pcs. / Pkt.
D-PTTB 2,5	3211634	50

### Double-level terminal blocks with resistor or LED display

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) The operating voltage is determined by the LED version.



**20 A, double-level terminal block with resistor**



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	68	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.14 - 4	-	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
20 / 2.5				

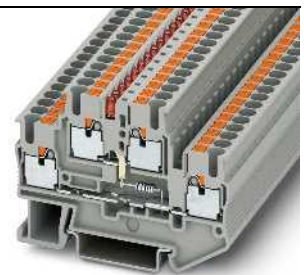
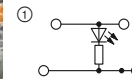
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 2,5-R499/O-U	① 3210925	50	

Accessories <sup>1)</sup>		
D-PTTB 2,5	Order No.	Pcs. / Pkt.
D-PTTB 2,5	3211634	50

Dimensions	
Width	Length
5.2	68

Description	Color
Terminal block, with built-in resistor, 499 ohms, 0.4 W power dissipation	gray
Terminal block, with LED for 12 – 30 V DC, 0.7 – 2.4 mA	gray
for 30 – 60 V DC, 0.8 – 1.8 mA	gray
for 110 – 250 V AC/DC, 0.1 – 0.5 mA	gray

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



**24 A, double-level terminal block with LED display**



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	68	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500 <sup>2)</sup>	0.14 - 4	24-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>2)</sup>	300	30	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
20 / 2.5				

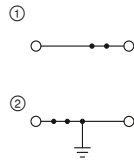
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 2,5-LA 24 RD	① 3211456	50	
PTTB 2,5-LA 60 RD	① 3211469	50	
PTTB 2,5-LA 230	① 3211472	50	

Accessories <sup>1)</sup>		
D-PTTB 2,5	Order No.	Pcs. / Pkt.
D-PTTB 2,5	3211634	50

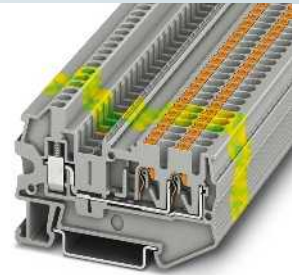
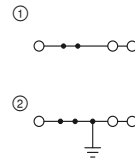
2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm<sup>2</sup>

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) For screw connection rated data, see page 30.



24 A, feed-through terminal block



28 A, feed-through terminal block, 3 connections



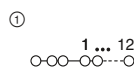
Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data <sup>2)</sup>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	
	gray

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	53.5	42.8 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	800	0.14 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
24 / 2.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTU 2,5	① 3209519	50		
PTU 2,5 BU	① 3209520	50		
PTU 2,5-PE	② 3209521	50		
Accessories <sup>1)</sup>				
D-PTU 2,5	3209522	50		

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	65.3	42.8 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	-	-	
24 / 2.5	20	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTU 2,5-TWIN	① 3209515	50		
PTU 2,5-TWIN BU	① 3209516	50		
PTU 2,5-TWIN-PE	② 3209517	50		
Accessories <sup>1)</sup>				
D-STU 2,5-TWIN	3033045	50		

Hybrid terminal blocks with screw connection on one side, 16 (25) mm<sup>2</sup>

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) For screw connection rated data, visit phoenixcontact.net/products  
 For full technical data, visit phoenixcontact.net/products



16 (25) mm<sup>2</sup>, 80 A (screw connection), terminal block base, 15 connections



Dimensions	
	[mm]
Max. electrical data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
Description	
Description	Color
Terminal block	gray
	blue
	green

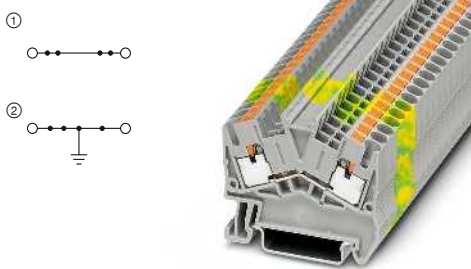
Technical data <sup>1)</sup>				
Width	Length	Height		
17.5	89.5	36 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
25	1000	1 - 2.5	-	
IEC	UL / CUL	CSA	Ex	
1000	-	-	-	
25 / 2.5	-	-	-	
18 - 14	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTU 16/14X2,5 GY	① 3214016	10		
PTU 16/14X2,5 BU	① 3214014	10		
PTU 16/14X2,5 GN	① 3214015	10		

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

**Notes:**  
 1) For additional accessories and technical data, see page 110.



30 A, feed-through terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	49	43 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 2.5 20 / - 20 / -				

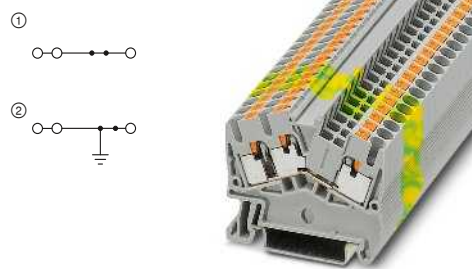
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 2,5	① 3211799	50	
PTS 2,5 BU	① 3211812	50	
PTS 2,5-PE	② 3211867	50	

Accessories <sup>1)</sup>		
D-ST5 2,5	Order No.	Pcs. / Pkt.
D-ST5 2,5	3031762	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



28 A, feed-through terminal block, 3 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	49	43 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 2.5 20 / - 20 / -				

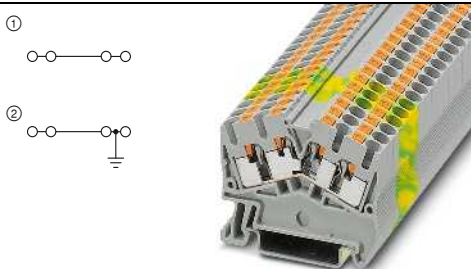
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 2,5-TWIN	① 3211896	50	
PTS 2,5-TWIN BU	① 3211906	50	
PTS 2,5-TWIN-PE	② 3211935	50	

Accessories <sup>1)</sup>		
D-ST5 2,5	Order No.	Pcs. / Pkt.
D-ST5 2,5	3031762	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

**Notes:**  
 1) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 602.



28 A, feed-through terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	49	43 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 2.5 20 / - 20 / -				

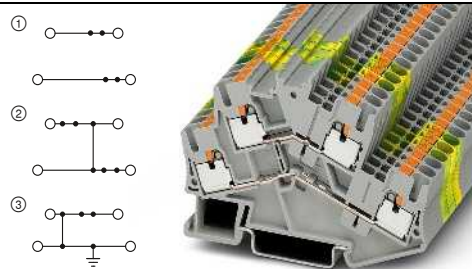
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 2,5-QUATTRO	① 3211993	50	
PTS 2,5-QUATTRO BU	① 3212002	50	
PTS 2,5-QUATTRO-PE	② 3212011	50	

Accessories <sup>1)</sup>		
D-ST5 2,5	Order No.	Pcs. / Pkt.
D-ST5 2,5	3031762	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray blue
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



24 A, double-level terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	78	55 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	440	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
22 / 2.5 20 / - 20 / -				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 2,5	① 3209604	50	
PTTBS 2,5 BU	① 3209617	50	
PTTBS 2,5-PV	② 3210211	50	
PTTBS 2,5-PE	③ 3209620	50	

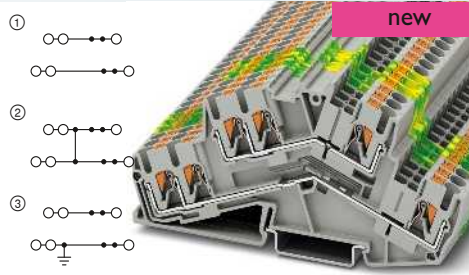
Accessories <sup>1)</sup>		
D-STTBS 2,5	Order No.	Pcs. / Pkt.
D-STTBS 2,5	3038503	50

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

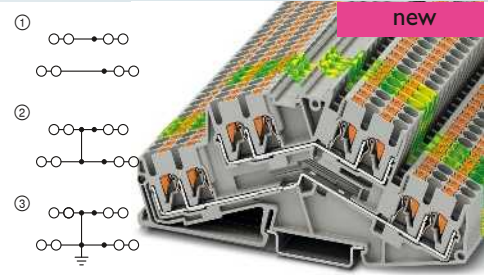
### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals in desk design

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 110.



**24 A, double-level terminal block, 3 connections per level**



**24 A, double-level terminal block, 4 connections per level**

**Technical data<sup>1)</sup>**

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Width	Length	Height		
5.2	111.8	55 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	-	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
22 / 2.5	-	-	-	

**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	115.2	55 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	-	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
22 / 2.5	-	-	-	

**Ordering data**

Description	Color
<b>Terminal block</b>	gray
With potential distribution	gray
<b>Ground terminal</b>	green-yellow

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTTBS 2,5-TWIN	① 3210600	50
PTTBS 2,5-TWIN BU	① 3210601	50
PTTBS 2,5-TWIN-PV	② 3210603	50
PTTBS 2,5-TWIN-PE	③ 3210602	50

**Ordering data**

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTTBS 2,5-QUATTRO	① 3210609	50
PTTBS 2,5-QUATTRO BU	① 3210610	50
PTTBS 2,5-QUATTRO-PV	② 3210612	50
PTTBS 2,5-QUATTRO-PE	③ 3210611	50

**Accessories<sup>1)</sup>**

<b>Cover, width 2.2 mm</b>	gray
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<b>D-PTTBS 2,5-TWIN</b>	3210608	50
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**Accessories<sup>1)</sup>**

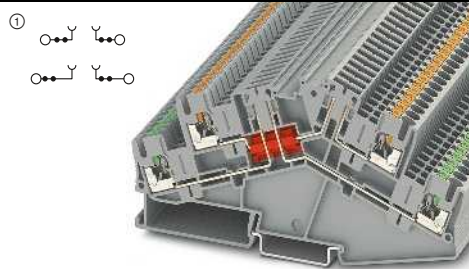
<b>D-PTTBS 2,5-QUATTRO</b>	3210613	50
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### Desk-design disconnect and knife disconnect terminal blocks

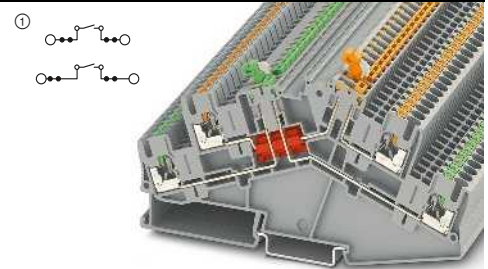
**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 110.

<sup>2)</sup> Current and voltage are determined by the plug used.



**16 A, double-level terminal block, two disconnect zones**



**16 A, double-level terminal block, two knife disconnect zones, desk design**

**Technical data<sup>1)</sup>**

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Width	Length	Height		
5.2	127.5	64.3 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16 <sup>2)</sup>	400 <sup>2)</sup>	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
16 <sup>2)</sup> / 2.5	16	10	-	

**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	127.5	64.3 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	400	0.14 - 4	26-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
16 / 2.5	16	10	-	

**Ordering data**

Description	Color
<b>Disconnect terminal block</b>	gray
	blue

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTTBS 2,5-2TGB	① 3210402	50

**Ordering data**

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTTBS 2,5-2MTB	① 3210400	50
PTTBS 2,5-2MTB BU	① 3210401	50

**Accessories<sup>1)</sup>**

<b>Cover, width 2.2 mm</b>	gray
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<b>D-PTTBS 2,5-2MTB</b>	3210404	50
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**Accessories<sup>1)</sup>**

<b>D-PTTBS 2,5-2MTB</b>	3210404	50
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# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

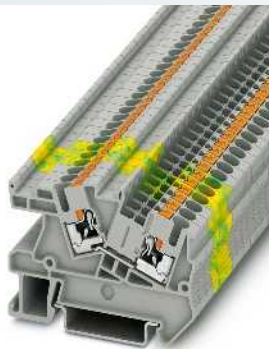
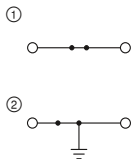
### Installation terminal blocks

#### Notes:

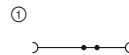
1) For additional accessories and technical data, see page 110.

#### Assembly instruction:

In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



24 A, feed-through terminal block



24 A, neutral disconnect terminal block



#### Technical data<sup>1)</sup>

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]

Width	Length	Height
5.2	59.5	44 (NS 35/7,5)
<i>I</i> <sub>max.</sub> [A]	<i>U</i> <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
24	800	0.14 - 4 26-12
24 (FBS) / 17.5 (FBBSR)		
IEC	UL / CUL	CSA Ex
800	600	- -
24 / 4	20 / -	- -
4		
solid	stranded	Ferrule without/with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5 0.14 - 2.5

#### Ordering data

Description	Color
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow
<b>Neutral disconnect terminal block</b>	blue

Type	Order No.	Pcs. / Pkt.
PTI 2,5	3213968	50
PTI 2,5 BU	3213969	50
PTI 2,5-PE	3213962	50

#### Accessories<sup>1)</sup>

<b>Cover, width 2.2 mm</b>	gray
<b>Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide</b>	blue

<b>D-DTI 2,5</b>	3034824	50
<b>AB-PTI</b>	3214006	50

#### Technical data<sup>1)</sup>

Width	Length	Height
5.2	59	46.3 (NS 35/7,5)
<i>I</i> <sub>max.</sub> [A]	<i>U</i> <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
24	250	0.14 - 4 26-12
24 (FBS) / 17.5 (FBBSR)		
IEC	UL / CUL	CSA Ex
250	600	- -
24 / 2.5	20 / -	- -
4		
solid	stranded	Ferrule without/with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5 0.14 - 2.5

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PTN 2,5	3213963	50

#### Accessories<sup>1)</sup>

<b>D-PTN 2,5</b>	3213977	50
<b>AB-PTI</b>	3214006	50

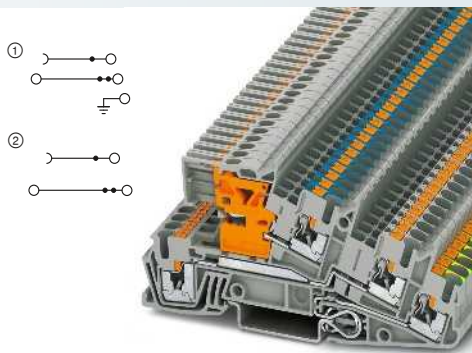
### Installation terminal blocks

**Notes:**

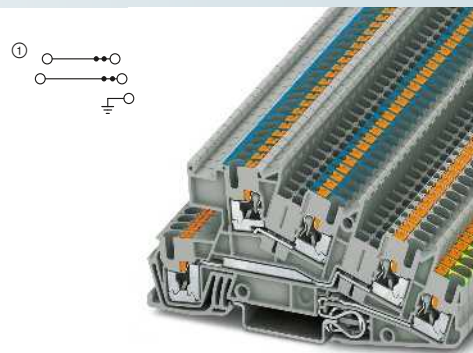
1) For additional accessories and technical data, see page 110.

2) 3-pos. termination block.

**Assembly instruction:**  
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



**30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE**



**30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor, 1 x PE**



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	101	50.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
30 <sup>2)</sup>	400	0.14 - 4	26-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 4	20 / -
Rated cross section	[mm <sup>2</sup> ]	4	-
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	solid	stranded
		Ferrule without/with plastic sleeve	
		0.14 - 4	0.14 - 4
			0.14 - 2.5 0.14 - 2.5

Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	101	50.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
30 <sup>2)</sup>	400	0.14 - 4	26-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 4	20 / -
Rated cross section	[mm <sup>2</sup> ]	4	-
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	solid	stranded
		Ferrule without/with plastic sleeve	
		0.14 - 4	0.14 - 4
			0.14 - 2.5 0.14 - 2.5

Ordering data			
Description	Color	Type	Order No.
Terminal block, upper level blue	gray	PTI 2,5-PE/L/NT	3213946
upper level gray	gray	PTI 2,5-L/NT	3213947
	gray	PTI 2,5-L/LT	3213948

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 2,5-PE/L/N	3213950	50	
PTI 2,5-PE/L/L	3213949	50	

Accessories <sup>1)</sup>		
Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	3213975	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	3213974	50

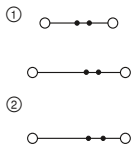
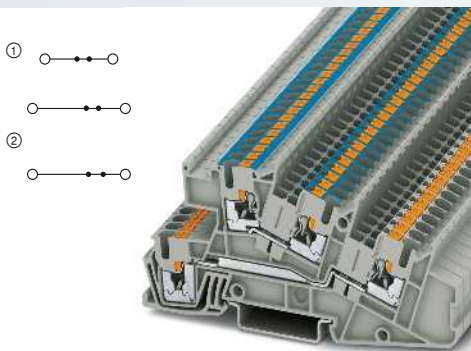
Accessories <sup>1)</sup>		
Description	Order No.	Pcs. / Pkt.
D-PTI/3	3213975	50
AB-PTI/3	3213974	50

# Terminal blocks - CLIPLINE complete

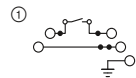
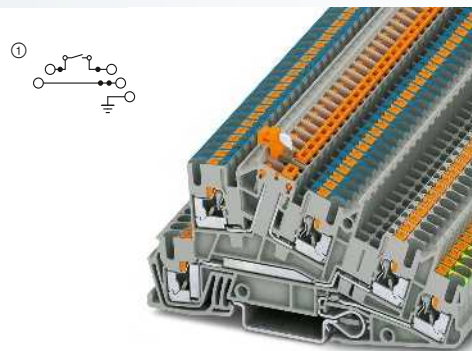
## 2.5 mm<sup>2</sup> PT... push-in connection terminal blocks

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 110.  
 2) 3-pos. termination block.  
**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



**30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor**



**30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE**



Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
<b>5.2</b>	<b>101</b>	<b>50.5 (NS 35/7,5)</b>		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
<b>30<sup>2)</sup></b>	<b>400</b>	<b>0.14 - 4</b>	<b>26-12</b>	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	-	-	
24 / 2.5	20 / -	-	-	
-	-	-	-	
solid		stranded		Ferrule
				without/with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	

Technical data <sup>1)</sup>				
Width	Length	Height		
<b>5.2</b>	<b>101</b>	<b>50.5 (NS 35/7,5)</b>		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
<b>30<sup>2)</sup></b>	<b>400</b>	<b>0.14 - 4</b>	<b>26-12</b>	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	-	-	
24 / 2.5	20 / -	-	-	
16 / 1.5 (disconnect level)				
solid		stranded		Ferrule
				without/with plastic sleeve
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	

Description		Color
<b>Terminal block</b> , upper level blue		gray
		gray
		gray/blue
		gray
<b>Cover</b> , width 2.2 mm		gray
<b>Support bracket</b> , to hold the neutral busbar, set every 20 cm, 2 mm wide		blue

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 2,5-L/N	① 3213954	50	
PTI 2,5-L/L	① 3213953	50	
PTI 2,5-N	② 3213952	50	
PTI 2,5-L	② 3213951	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 2,5-PE/L/NTB	① 3213955	50	
PTI 2,5-PE/L/LTB	① 3213957	50	

Accessories <sup>1)</sup>		
D-PTI/3	3213975	50
AB-PTI/3	3213974	50

Accessories <sup>1)</sup>		
D-PTI/3B	3213976	50

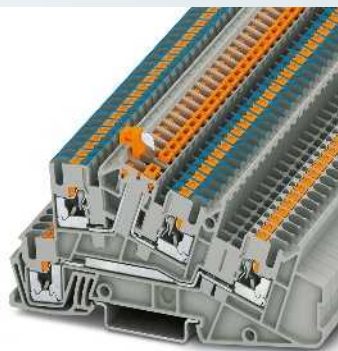
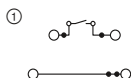


### Installation terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 110.

2) 3-pos. termination block.



**30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected**



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	101	50.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
30 <sup>2)</sup>	400	0.14 - 4	-
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
24 / 2.5	-		
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
16 / 1.5 (disconnect level)	-		
Connection capacity		Ferrule	
solid	stranded	without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.14 - 4	0.14 - 2.5

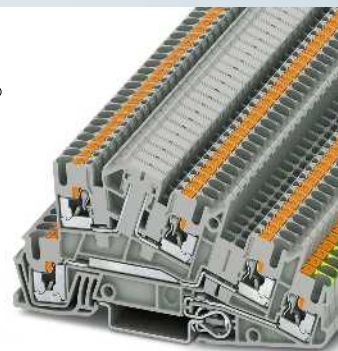
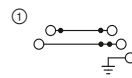
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 2,5-L/NTB	3213956	50	
PTI 2,5-L/LTB	3213958	50	

Accessories <sup>1)</sup>		
D-PTI/3B	3213976	50
D-PTI/3B	3213976	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]

Description	Color
Terminal block, upper level blue	gray
	gray

Cover, width 2.2 mm	gray
---------------------	------



**30 A, three-level terminal block, 2 x L outer conductor, 1 x PE**



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	101	50.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
30 <sup>2)</sup>	400	0.14 - 4	26-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
24 / 2.5	20 / -		
Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
-	-		
Connection capacity		Ferrule	
solid	stranded	without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

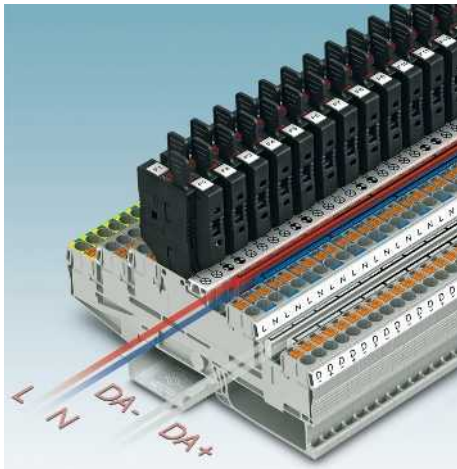
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 2,5-PE/L/LB	3213959	50	

Accessories <sup>1)</sup>		
D-PTI/3B	3213976	50
D-PTI/3B	3213976	50

# Terminal blocks - CLIPLINE complete

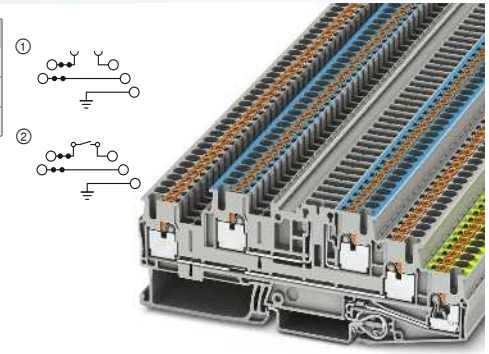
## 2.5 mm² PT... push-in connection terminal blocks

### Installation terminal blocks



- The three-level installation terminal blocks have been specially developed for the building installation sector.
- DALI-controlled emergency lighting systems can be conveniently fused and wired when space is at a premium
- Two function shafts can be used on each level on the inside of the control cabinet
- Quick and easy potential distribution, e.g., from the DALI bus system

Notes:
1) For additional accessories and technical data, see page 110.
2) Current and voltage are determined by the plug used.
3) 3-pos. termination block.



30 A, three-level terminal block, with disconnect zone and PE foot

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]

Description	Color
Terminal block	gray
With disconnect knife	gray

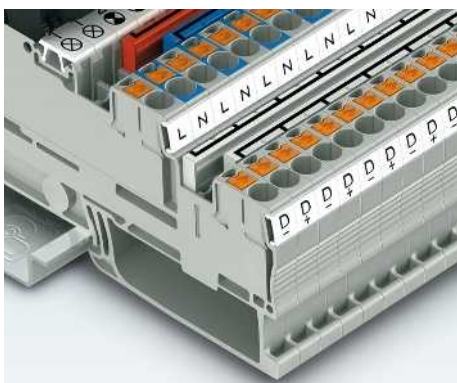
Cover, width 2.2 mm	gray
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ERC

Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	118	42.3 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm²]	AWG (UL)
30 <sup>3)</sup>	400 <sup>2)</sup>	0.14 - 4	-
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400 <sup>2)</sup>	-	-	-
22 / 2.5	-	-	-
16 / 2.5 (disconnect level)			
Connection capacity		Ferrule	
solid	stranded	without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

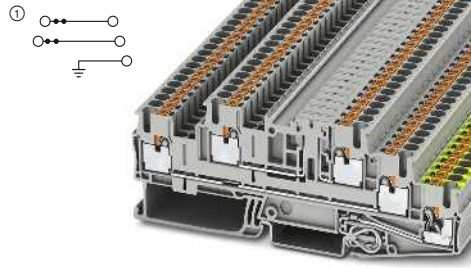
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTB 2,5-PE/L/NTG	① 3210545	50	
PTB 2,5-PE/L/TG	① 3210539	50	
PTB 2,5-PE/L/MT	② 3210549	50	

Accessories <sup>1)</sup>		
D-PTB 2,5/3	3210552	50



### Installation terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 110.
2) 3-pos. termination block.



24 A, three-level terminal block, with PE foot

ERC

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	118	42.3 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	24 <sup>2)</sup>	400	0.14 - 4	-
	24 (FBS) / 17.5 (FBBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	400	-	-	-
	20 / 2.5	-	-	-
	16 / 2.5 (disconnect level)			
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

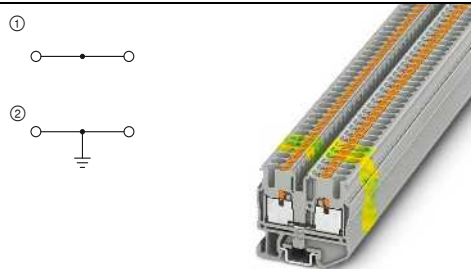
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTB 2,5-PE/L/L	3210547	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PTB 2,5-PE/L/L	3210553	50	

Description	Color
Terminal block	gray
Cover, width 2.2 mm	gray

### Mini feed-through terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 110.
For information on installation and using accessories for Ex applications, see page 602.



27 A, mini feed-through terminal block

Ex: SEV14ATEX0140U / IECEx SEV14.0010U

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	36	34.8 (NS 15)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	27	500	0.14 - 4	26-12
	24 (FBS) / 17.5 (FBBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	500	600	600	440
	24 / 2.5	20 / -	20 / -	20.5 / 4

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MPT 2,5	3248125	50	
MPT 2,5 BU	3248126	50	
MPT 2,5-PE	3248130	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-MPT 2,5	3248140	50	

Description	Color
Terminal block	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> PT... push-in connection terminal blocks

### General technical data for 4 mm<sup>2</sup> PT... push-in connection terminal blocks

<b>Rated data</b>	IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm <sup>2</sup> ]	4		
Cross section range	AWG	24 - 10		
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 1
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.5 - 6	-	0.5 - 4 / 0.5 - 4
<b>General data</b>				
Stripping length	[mm]	10 - 12		
Insulating material		PA		
Inflammability class according to UL 94		V0		
<b>Note: additional or deviating data is documented for the product.</b>				

#### Notes:

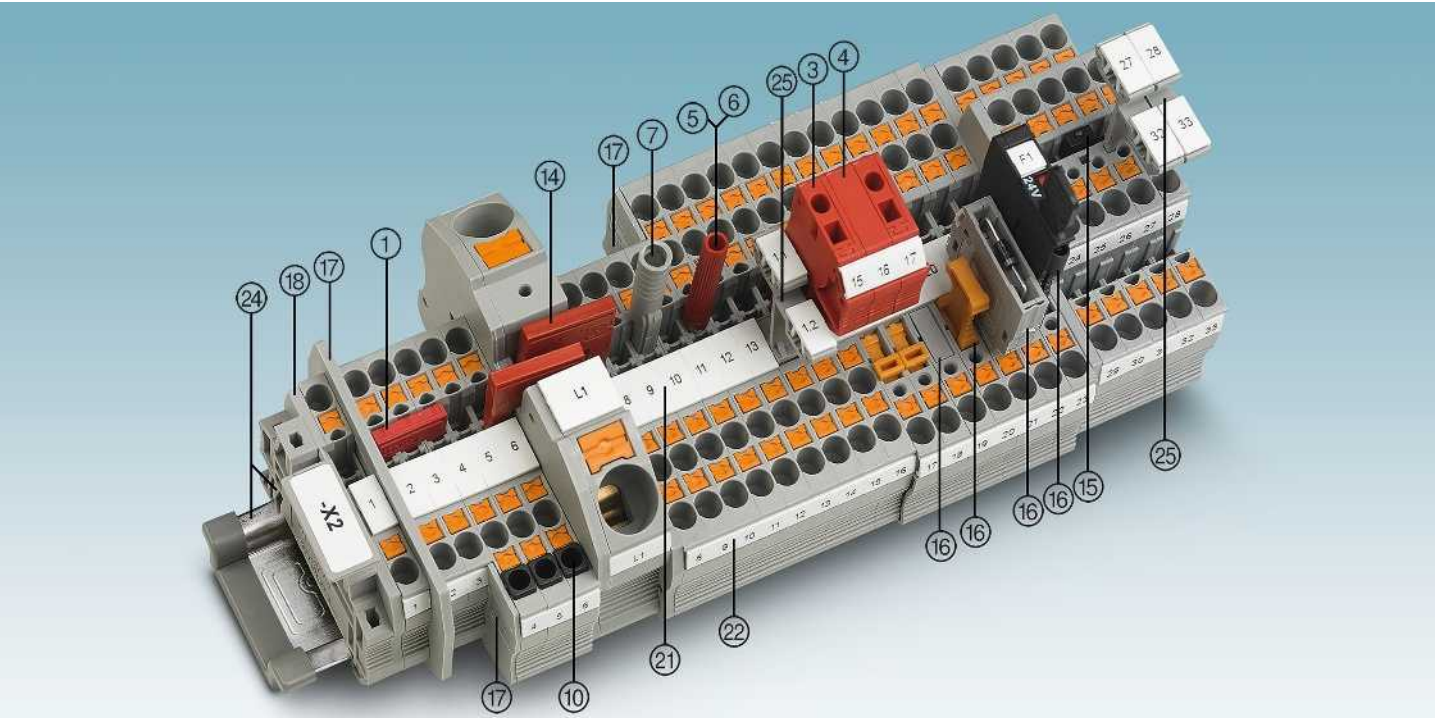


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 4 mm<sup>2</sup> PT... push-in connection terminal blocks



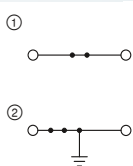
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve, 0.25 - 0.5 mm <sup>2</sup> 0.75 - 1 mm <sup>2</sup>		gray	ISH 4/0,5	3002885	50			
		black	ISH 4/1,0	3002898	50			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge
⑮ Vertical potential bridge
⑯ Fuse and function plugs for disconnect terminal blocks
⑰ Partition plates/end cover segments
⑱ Cover
⑲ Center groove marking
⑲ Center and lateral groove marking
⑲ DIN rails and end brackets
⑲ Marker carrier
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
For FBS-PV ..., see page 341.
For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.
UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
See Catalog 5.
For STP ..., see page 352.
Note: additional or deviating accessories are documented for the product.

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 132.  
 For information on installation and using accessories for Ex applications, see page 602.



38 A, feed-through terminal block

UL, IEC, ENEC, VDE, TÜV, ClassNK, CB  
 Ex: Ex IIC  
 PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	56	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
32 / 4	30 / - 30 / - 26 / 4			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 4	3211757	50
PT 4 BU	3211760	50
PT 4-PE	3211766	50

Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

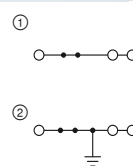
Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



38 A, feed-through terminal block, 3 connections

UL, IEC, ENEC, VDE, TÜV, ClassNK, CB  
 Ex: Ex IIC  
 PTB 09ATEX1112U / IECEx PTB 10.0046U

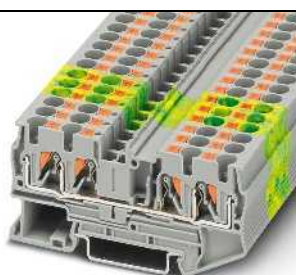
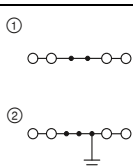
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	66.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
32 / 4	30 / - 30 / - 26 / 4			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 4-TWIN	3211771	50
PT 4-TWIN BU	3211775	50
PT 4-TWIN-PE	3211780	50

Accessories <sup>1)</sup>		
D-PT 4-TWIN	Order No.	Pcs. / Pkt.
D-PT 4-TWIN	3208977	50

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 132.  
 For information on installation and using accessories for Ex applications, see page 602.



38 A, feed-through terminal block, 4 connections

UL, IEC, ENEC, VDE, TÜV, ClassNK, CB  
 Ex: Ex IIC  
 PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	77	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
32 / 4	30 / - 30 / - 26 / 4			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 4-QUATTRO	3211797	50
PT 4-QUATTRO BU	3211802	50
PT 4-QUATTRO-PE	3211809	50

Accessories <sup>1)</sup>		
D-PT 4-QUATTRO	Order No.	Pcs. / Pkt.
D-PT 4-QUATTRO	3208979	50

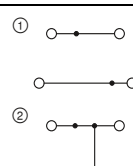
Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



32 A, double-level terminal block, 4 connections

UL, IEC, ENEC, VDE, TÜV, ClassNK, CB  
 Ex: Ex IIC  
 PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	83.5	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.2 - 6	24-10	
22 (FBS) / 22 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	440	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
28 / 4	28 / - 30 / - 23 / 4			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTTB 4	3211786	50
PTTB 4 BU	3211793	50
PTTB 4-PV	3211825	50
PTTB 4-PE	3211854	50

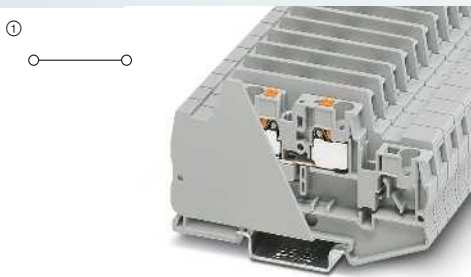
Accessories <sup>1)</sup>		
D-STTB 4	Order No.	Pcs. / Pkt.
D-STTB 4	3030462	50

# Terminal blocks - CLIPLINE complete

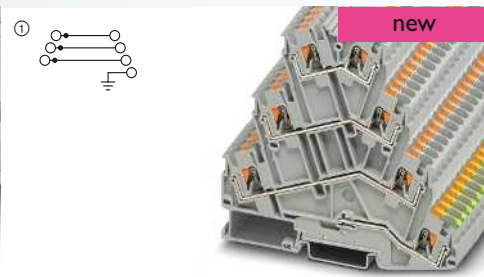
## 4 mm<sup>2</sup> PT... push-in connection terminal blocks

### Feed-through and multi-level terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 132.



38 A, 1000 V, feed-through terminal block, incl. cover



32 A, four-level terminal block with PE foot



Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description		Color
Terminal block		gray

Cover, width 2.2 mm	
	gray

Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	83.5	47.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
38	1000	0.2 - 6	24-10
-		-	
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
32 / 4	30 / -	-	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTTB 4-L 1000V	3062744	50

Accessories <sup>1)</sup>	

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	104.4	96.9 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	0.2 - 6	-
22 (FBS) / 22 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
26 / 4	-	-	-

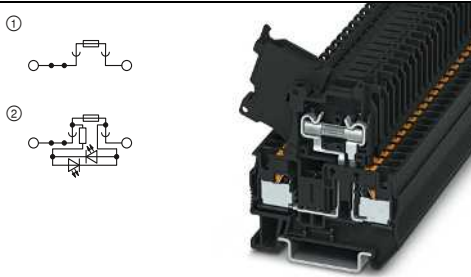
Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 4-PE/3L	3210442	50

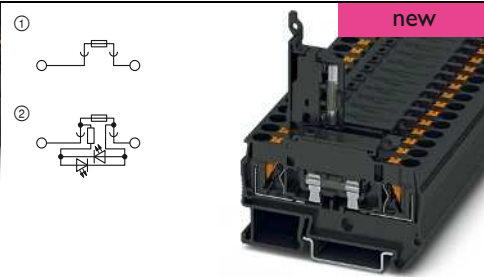
Accessories <sup>1)</sup>	
D-PT 4-PE/3L	3210443
	50

### Fuse terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 132.  
 2) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.



6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses, 2 function shafts



6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses



Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description		Color
Fuse terminal block		black
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA		black
for 30 – 60 V AC/DC, 0.40 – 0.86 mA		black
110 – 250 V AC/DC, 0.41 – 0.96 mA		black

Cover, width 2.2 mm	
	gray

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	56	62.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
6.3 <sup>2)</sup>	500 <sup>2)</sup>	0.2 - 6	24-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>2)</sup>	300	300	-
6.3 / 1	6.3 / -	6.3 / -	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
PT 4-HESI (5X20)	3211861	50
PT 4-HESILED 24 (5X20)	3211903	50
PT 4-HESILED 60 (5X20)	3207908	50
PT 4-HESILA 250 (5X20)	3211907	50

Accessories <sup>1)</sup>	
D-ST 4	3030420
	50

Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	67.8	62.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
6.3 <sup>2)</sup>	500 <sup>2)</sup>	0.2 - 6	-
-			
IEC	UL / CUL	CSA	Ex
500 <sup>2)</sup>	-	-	-
6.3 / 1	-	-	-

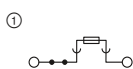
Ordering data		
Type	Order No.	Pcs. / Pkt.
PTC 4-HESI (5X20)	3270200	50
PTC 4-HESILED 24 (5X20)	3270203	50
PTC 4-HESILED 60 (5X20)	3270205	50
PTC 4-HESILA 250 (5X20)	3270197	50

Accessories <sup>1)</sup>	
D-PTC 2,5-TWIN-MT	3270100
	50

### Fuse terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 132.
2) The current is determined by the fuse used, the voltage by the light indicator.
3) 15 A for single arrangement, 10 A for group arrangement. For the derating curve, see phoenixcontact.net/products. The recommended continuous load capacity of fuse-links according to DIN 72581/Part 3 is a maximum of 80% of their nominal current (at an ambient temperature of 23°C).



15 A, fuse terminal block, for type F flat-type fuses

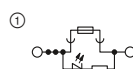


Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	56	36.5 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
15 <sup>3)</sup>	400 <sup>2)</sup>	0.2 - 6	24-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400 <sup>2)</sup>	300	300	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
10 <sup>2)</sup> / 4			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 4-FSI/F	3208943	50	

Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
<b>Fuse terminal block</b>	Color
With light indicator for 12 V DC, 1.7 mA	black
for 24 V DC, 1.9 mA	black
<b>Cover, width 2.2 mm</b>	gray



15 A, fuse terminal block with LED display, for type F flat-type fuses



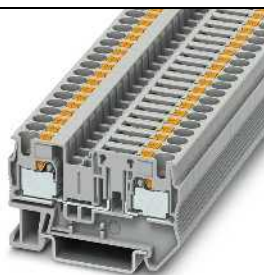
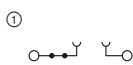
Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	56	36.5 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
15 <sup>3)</sup>	12 <sup>2)</sup>	0.2 - 6	24-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
12 <sup>2)</sup>	300	12	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
10 <sup>2)</sup> / 4			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 4-FSI/F-LED 12	3208951	50	
PT 4-FSI/F-LED 24	3208964	50	

Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

### Disconnect and knife disconnect terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 132.
2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block

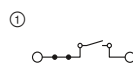


Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	56	36.5 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>2)</sup>	400 <sup>2)</sup>	0.2 - 6	24-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400 <sup>2)</sup>	300	300	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
20 <sup>2)</sup> / 2.5			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 4-TG	3211922	50	

Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

Description	
<b>Disconnect terminal block</b>	Color
<b>Knife disconnect terminal block</b>	gray
<b>Cover, width 2.2 mm</b>	gray



20 A, knife disconnect terminal block



Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	56	36.5 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20	400	0.2 - 6	24-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
20 / 2.5			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 4-MT	3211933	50	

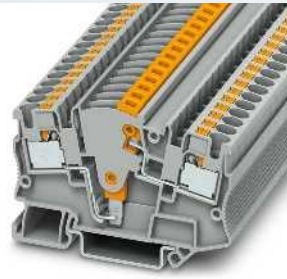
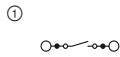
Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

# Terminal blocks - CLIPLINE complete

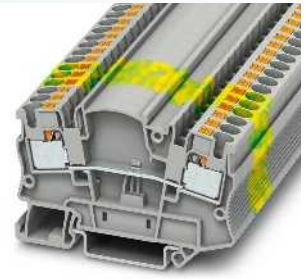
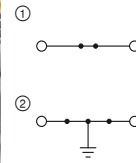
## 4 mm<sup>2</sup> PT... push-in connection terminal blocks

### Test disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 132.



24 A, test disconnect terminal block



32 A, feed-through terminal block, same shape



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.5	49.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 / 4	26 / -	26 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTME 4	3212139	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PTME 4	3212167	10	



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	70.5	49.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
32 / 4	26 / -	26 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTMED 4	3212141	50	
PTMED 4-PE	3212154	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PTME 4	3212167	10	

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
24 / 4	26 / -
Description	
Terminal block	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

### Supplementary accessories for PTME 4 test disconnect terminal blocks



- Current transformer measuring circuit can be created using just two PTME 4
- Less space required compared to creating circuits with slide-type terminal blocks
- ① FBS... jumper for cross connection
- ② 4 mm Ø PAI-4-FIX... test plug adapter
- ③ S-ME 4 switching lock
- ④ SB-ME... switching jumper
- ⑤ C-ME 4/2 connection bridge

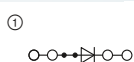
Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PAI-4-FIX-5/6 OG	3035974	10	
PAI-4-FIX-5/6 YE	3035977	10	
PAI-4-FIX-5/6 GN	3035978	10	
PAI-4-FIX-5/6 VT	3035979	10	
PAI-4-FIX-5/6 BK	3035980	10	
PAI-4-FIX-5/6 BU	3035975	10	
PAI-4-FIX-5/6 RD	3035976	10	
PAI-4-FIX-5/6 GY	3035982	10	
PAI-4-FIX-5/6 BN	3035981	10	
S-ME 4	3035758	10	
SB-ME 2-6	3035755	10	
SB-ME 3-6	3035756	10	
SB-ME 4-6	3035757	10	
C-ME 4/2	3035759	10	
C-ME 4/3	3035760	10	



Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 132.



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)

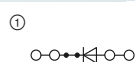


Technical data <sup>1)</sup>				
Dimensions	Width [mm]	Length	Height	
	6.2	77	36.5 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	1.5	800	0.2 - 6	24-10
	32 (FBS) / 24 (FBSR)			
Max. bridge current	[A]	IEC	UL / CUL	CSA Ex
Rated data		800	600	600 -
Rated voltage	[V]	1.5 / 1	1.5 / -	1.5 / -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 4-QUATTRO-DIO 1N 5408/L-R ①	3211919	50	

Accessories <sup>1)</sup>			
D-PT 4-QUATTRO	3208979	50	

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
Cover, width 2.2 mm	gray



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)



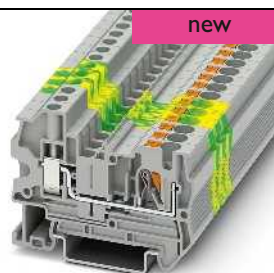
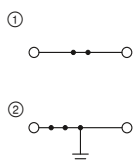
Technical data <sup>1)</sup>				
Dimensions	Width [mm]	Length	Height	
	6.2	77	36.5 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	1.5	800	0.2 - 6	24-10
	32 (FBS) / 24 (FBSR)			
Max. bridge current	[A]	IEC	UL / CUL	CSA Ex
Rated data		800	600	600 -
Rated voltage	[V]	1.5 / 1	1.5 / -	1.5 / -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 4-QUATTRO-DIO 1N 5408/R-L ①	3211921	50	

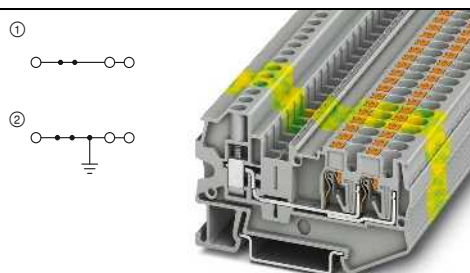
Accessories <sup>1)</sup>			
D-PT 4-QUATTRO	3208979	50	

Hybrid terminal blocks with screw connection on one side, 4 (6) mm<sup>2</sup>

**Notes:**  
 1) For additional accessories and technical data, see page 132.  
 2) For screw connection rated data, see page 40.



38 A, feed-through terminal block



38 A, feed-through terminal block, 3 connections



Technical data <sup>1)</sup>				
Dimensions	Width [mm]	Length	Height	
	6.2	58.8	42.8 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	38	800	0.2 - 6	-
	32 (FBS) / 24 (FBSR)			
Max. bridge current	[A]	IEC	UL / CUL	CSA Ex
Rated data <sup>2)</sup>		800	600	600 -
Rated voltage	[V]	32 / 4	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTU 4 ①	3211855	50	
PTU 4 BU ①	3211856	50	
PTU 4-PE ②	3211857	50	

Accessories <sup>1)</sup>			
D-PTU 4	3211858	50	

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	

Technical data <sup>1)</sup>				
Dimensions	Width [mm]	Length	Height	
	6.2	69.3	42.8 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	38	800	0.2 - 6	24-10
	32 (FBS) / 24 (FBSR)			
Max. bridge current	[A]	IEC	UL / CUL	CSA Ex
Rated data		800	600	600 -
Rated voltage	[V]	32 / 4	30	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTU 4-TWIN ①	3211859	50	
PTU 4-TWIN BU ①	3211860	50	
PTU 4-TWIN-PE ②	3211862	50	

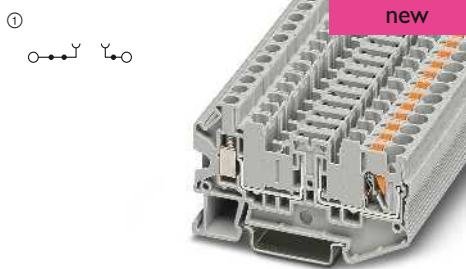
Accessories <sup>1)</sup>			
D-PTU 4-TWIN	3211863	50	

# Terminal blocks - CLIPLINE complete

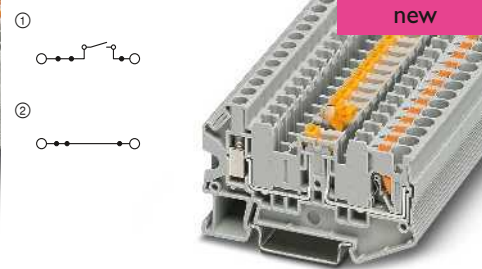
## 4 mm<sup>2</sup> PT... push-in connection terminal blocks

### Hybrid terminal blocks with screw connection on one side, 4 (6) mm<sup>2</sup>

- Notes:**
- 1) For additional accessories and technical data, see page 132.
  - 2) For screw connection rated data, see page 40.



20 A, disconnect terminal block, 3 function shafts and two 4 mm test sockets



20 A, knife disconnect terminal block, 3 function shafts and two 4 mm test sockets

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data<sup>2)</sup></b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>Terminal block</b>	gray
With test socket screws	gray
<b>Feed-through terminal block, same shape</b>	gray
With test socket screws	gray

Cover, width 2.2 mm	
	gray

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	71	42.8 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.2 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
20 / 4	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTU 4-TG	① 3209542	50	
PTU 4-TG-P	① 3209541	50	

Accessories <sup>1)</sup>			
D-PTU 4-MT	3209534	50	

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	71	42.8 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.2 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
20 / 4	-	-	-	

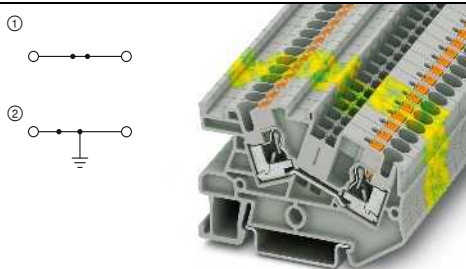
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTU 4-MT	① 3209538	50	
PTU 4-MT-P	① 3209532	50	
PTU 4-MTD	② 3209539	50	
PTU 4-MTD-P	② 3209540	50	

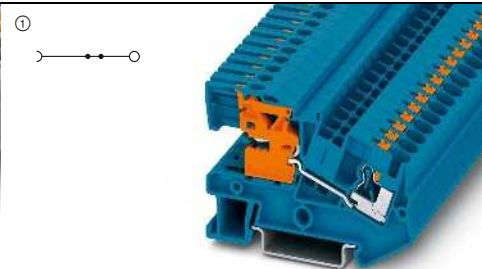
Accessories <sup>1)</sup>			
D-PTU 4-MT	3209534	50	

### Installation terminal blocks

- Notes:**
- 1) For additional accessories and technical data, see page 132.
- Assembly instruction:**  
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



32 A, feed-through terminal block



32 A, neutral disconnect terminal block

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>Terminal block</b>	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Neutral disconnect terminal block</b>	blue

Cover, width 2.2 mm	
	gray
<b>Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide</b>	blue

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	66	44 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	800	0.2 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
32 / 4	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 4	① 3213970	50	
PTI 4 BU	① 3213971	50	
PTI 4-PE	② 3213964	50	

Accessories <sup>1)</sup>			
D-DTI 4	3034895	50	
AB-PTI	3214006	50	

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	66	46.3 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	250	0.2 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	-	-	-	
32 / 4	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTN 4	① 3213965	50	

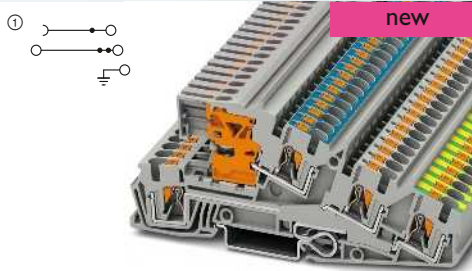
  

Accessories <sup>1)</sup>			
D-PTN 4	3213978	50	
AB-PTI	3214006	50	

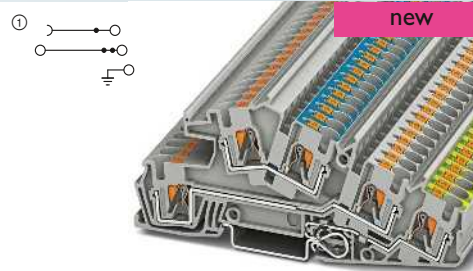
### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 132.

**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



**32 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE**



**32 A, three-level terminal block, 2 x L outer conductor, 1 x PE**

Technical data <sup>1)</sup>	
<b>Dimensions</b>	Width [mm] <b>6.2</b>
	Length <b>114</b>
	Height <b>50.5 (NS 35/7,5)</b>
<b>Max. electrical data</b>	$I_{max}$ [A] <b>32</b>
	$U_{max}$ [V] <b>400</b>
	max. Ø [mm <sup>2</sup> ] <b>0.2 - 6</b>
	AWG (UL) <b>-</b>
	<b>32 (FBS) / 24 (FBSR)</b>
<b>Rated data</b>	IEC <b>UL / CUL</b>
	CSA <b>Ex</b>
Max. bridge current	[A] <b>400</b>
Rated voltage	[V] <b>400</b>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] <b>32 / 4</b>

Ordering data		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTI 4-PE/L/NT	① <b>3214047</b>	50
PTI 4-PE/L/LT	① <b>3214048</b>	50

Accessories <sup>1)</sup>		
<b>D-PTI 4/3</b>	<b>3214054</b>	50
<b>AB-PTI 4/3</b>	<b>3214053</b>	50

Dimensions	
Description	Color
<b>Terminal block</b> , upper level blue	gray
	gray

Ordering data		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTI 4-PE/L/N	① <b>3214049</b>	50
PTI 4-PE/L/L	① <b>3214050</b>	50

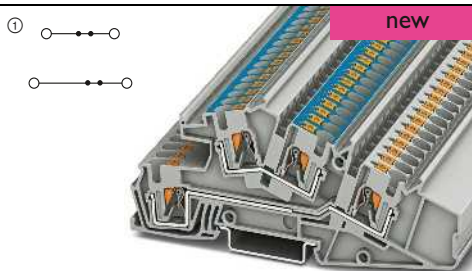
  

Accessories <sup>1)</sup>		
<b>D-PTI 4/3</b>	<b>3214054</b>	50
<b>AB-PTI 4/3</b>	<b>3214053</b>	50

### Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 132.

**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



**32 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor**

Technical data <sup>1)</sup>	
<b>Dimensions</b>	Width [mm] <b>6.2</b>
	Length <b>114</b>
	Height <b>50.5 (NS 35/7,5)</b>
<b>Max. electrical data</b>	$I_{max}$ [A] <b>32</b>
	$U_{max}$ [V] <b>400</b>
	max. Ø [mm <sup>2</sup> ] <b>0.2 - 6</b>
	AWG (UL) <b>-</b>
	<b>32 (FBS) / 24 (FBSR)</b>
<b>Rated data</b>	IEC <b>UL / CUL</b>
	CSA <b>Ex</b>
Max. bridge current	[A] <b>400</b>
Rated voltage	[V] <b>400</b>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] <b>32 / 4</b>

Ordering data		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTI 4-L/N	① <b>3214051</b>	50
PTI 4-L/L	① <b>3214052</b>	50

Accessories <sup>1)</sup>		
<b>D-PTI 4/3</b>	<b>3214054</b>	50
<b>AB-PTI 4/3</b>	<b>3214053</b>	50

Dimensions	
Description	Color
<b>Terminal block</b> , upper level blue	gray
	gray

Ordering data		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
PTI 4-L/N	① <b>3214051</b>	50
PTI 4-L/L	① <b>3214052</b>	50

Accessories <sup>1)</sup>		
<b>D-PTI 4/3</b>	<b>3214054</b>	50
<b>AB-PTI 4/3</b>	<b>3214053</b>	50

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> PT... push-in connection terminal blocks

### General technical data for 6 mm<sup>2</sup> PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	6			
Cross section range	AWG	20 - 8			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

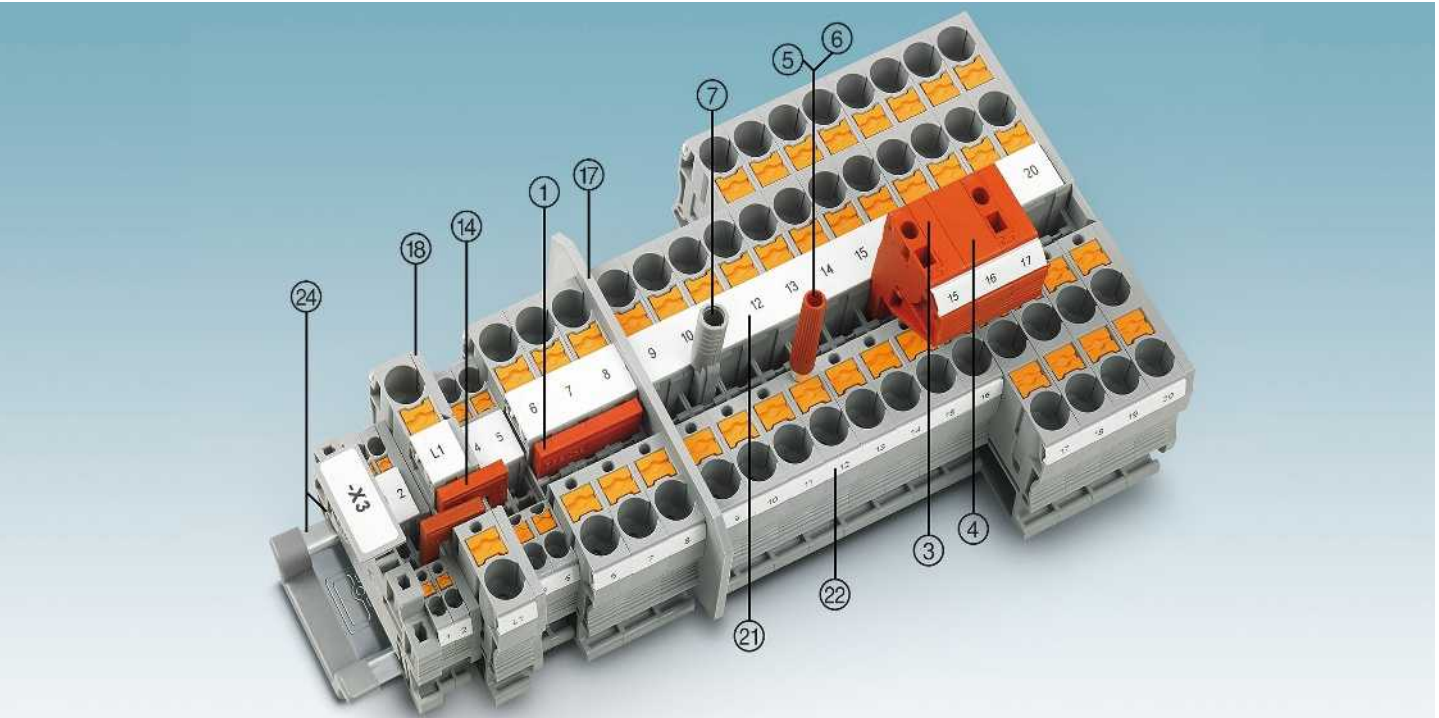


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 6 mm<sup>2</sup> PT... push-in connection terminal blocks



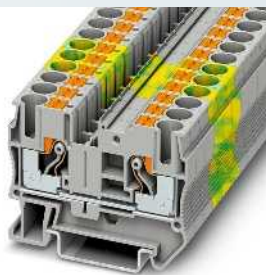
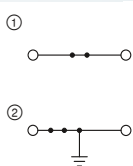
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red	FBS 16-8			FBSR 16-8	3033816	10
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SZF 2-0,8X4,0	1204520	10			

⑭ Reducing bridge
⑰ Partition plates/end cover segments
⑱ Cover
⑲ Center groove marking
⑲ Center and lateral groove marking
⑳ DIN rails and end brackets
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.
UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.
See Catalog 5.
Note: additional or deviating accessories are documented for the product.

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 140.  
 For information on installation and using accessories for Ex applications, see page 602.



52 A, feed-through terminal block



Ex:   
 SEV13ATEX0159U / IECEx SEV13.0005U

#### Technical data<sup>1)</sup>

Width	Length	Height		
8.2	57.7	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
52	1000	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
41 / 6	40 / -			

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
Ground terminal	green-yellow

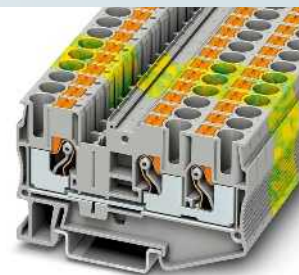
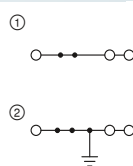
Cover, width 2.2 mm	gray
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#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6	① 3211813	50
PT 6 BU	① 3211819	50
PT 6-PE	② 3211822	50

#### Accessories<sup>1)</sup>

D-PT 6	3212044	50
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52 A, feed-through terminal block, 3 connections



Ex:   
 SEV13ATEX0159U / IECEx SEV13.0005U

#### Technical data<sup>1)</sup>

Width	Length	Height		
8.2	74.2	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
52	1000	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
41 / 6	40 / -			

#### Ordering data

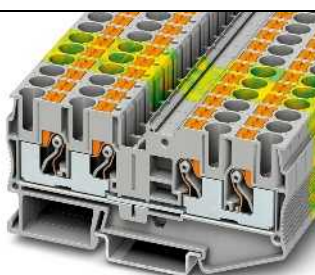
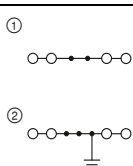
Type	Order No.	Pcs. / Pkt.
PT 6-TWIN	① 3211929	50
PT 6-TWIN BU	① 3211485	50
PT 6-TWIN-PE	② 3211498	50

#### Accessories<sup>1)</sup>

D-PT 6-TWIN	3211508	50
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### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 140.  
 For information on installation and using accessories for Ex applications, see page 602.



52 A, feed-through terminal block, 4 connections



Ex:   
 SEV13ATEX0159U / IECEx SEV13.0005U

#### Technical data<sup>1)</sup>

Width	Length	Height		
8.2	90.5	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
52	1000	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
41 / 6	40 / -			

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
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#### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 6-QUATTRO	① 3212934	50
PT 6-QUATTRO BU	① 3212947	50
PT 6-QUATTRO-PE	② 3212950	50

#### Accessories<sup>1)</sup>

D-PT 6-QUATTRO	3212963	10
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# Terminal blocks - CLIPLINE complete

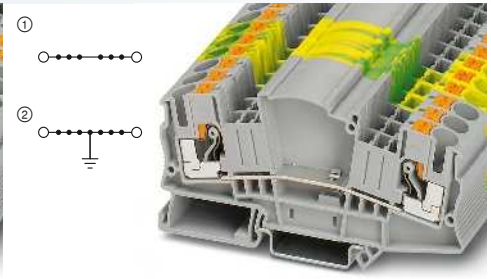
## 6 mm<sup>2</sup> PT... push-in connection terminal blocks

### Test disconnect terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 140.
The PTME 6 HV versions have a rated voltage of 1000 V.
For COMBI plug-in test disconnect terminal blocks, see page 276.



30 A, test disconnect terminal block



41 A, feed-through terminal block, same shape



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	100.8	49.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	500	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
30 / 6	30 / -	30 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTME 6	3212170	50	
PTME 6 HV	3035696	50	
PTME 6 HV BU	3035695	50	

Accessories <sup>1)</sup>			
Description	Order No.	Pcs. / Pkt.	
D-DTME 6	3034426	10	



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	100.8	49.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	1000	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
41 / 6	30 / -	30 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTMED 6	3212183	50	
PTMED 6-PE	3212196	50	

Accessories <sup>1)</sup>			
Description	Order No.	Pcs. / Pkt.	
D-DTME 6	3034426	10	

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
	Color
Test disconnect terminal block	gray
	gray
	blue
Feed-through terminal block	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

### Supplementary accessories for PTME 6 test disconnect terminal blocks



- Current transformer measuring circuit can be created using just two PTME 6
- Less space required compared to creating circuits with slide-type terminal blocks
- ① FBS... jumper for cross connection
- ② 4 mm Ø PAI-4-FIX... test plug adapter
- ③ S-ME 6 switching lock
- ④ SB-ME... switching jumper
- ⑤ C-ME 6/2 connection bridge

Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange

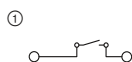
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PAI-4-FIX OG	3034455	10	
PAI-4-FIX YE	3032745	10	
PAI-4-FIX GN	3032758	10	
PAI-4-FIX VT	3032761	10	
PAI-4-FIX BK	3032774	10	
PAI-4-FIX BU	3032729	10	
PAI-4-FIX RD	3032732	10	
PAI-4-FIX GY	3032790	10	
PAI-4-FIX BN	3032787	10	
S-ME 6	3034439	10	
SB-ME 2-8	3034468	10	
SB-ME 3-8	3032800	10	
SB-ME 4-8	3034484	10	
C-ME 6/2	3034442	10	
C-ME 6/3	3034390	50	

Hybrid terminal blocks with screw connection on one side, 6 (10) mm<sup>2</sup>

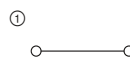
Notes:

1) For additional accessories and technical data, see page 140.

2) For screw connection rated data, see page 52.



41 A, test disconnect terminal block



52 A, feed-through terminal block, same shape

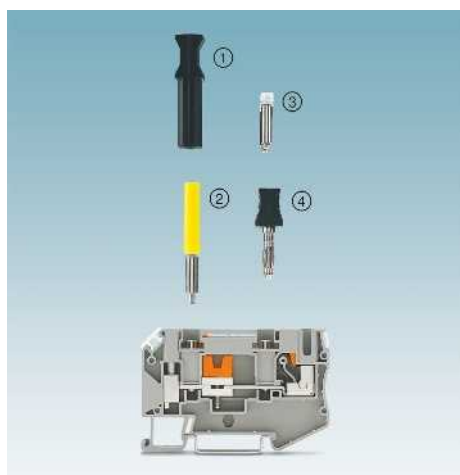
EAC

<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
<b>Rated data<sup>2)</sup></b>		
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6
<b>Description</b>		
Description		Color
Test disconnect terminal block with test sockets		gray
Feed-through terminal block with test sockets		gray
<b>Cover, width 2.2 mm</b>		
Screwdriver		

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	73.9	48 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	500	0.5 - 10	-	
IEC	UL / CUL	CSA	Ex	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PTU 6-T	3209535	50		
PTU 6-T-P	3209530	50		
Accessories <sup>1)</sup>				
D-PTU 6-T	3209533	50		
SZS 1,0X4,0 VDE	1205066	10		

Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	73.9	48 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
52	800	0.5 - 10	-
IEC	UL / CUL	CSA	Ex
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTUD 6	3209531	50	
PTUD 6-P	3209537	50	
Accessories <sup>1)</sup>			
D-PTU 6-T	3209533	50	
SZS 1,0X4,0 VDE	1205066	10	

Supplementary accessories for PTU 6-T test disconnect terminal blocks



- Efficient wiring using push-in connection on the inside of the control cabinet
- Universal screw connection on the end customer side
- The following accessories are included for transformer short circuit and potential distribution:

- ① KSSI... insulated short-circuit plug
- ② PSBJ 6-T... test socket
- ③ SCBI 10-8,15... isolator bridge bar
- ④ KSS... short-circuit plug

Description	No. of pos.	Color
Insertion bridge, fully insulated	2	gray
	3	gray
	4	gray
	10	gray
Fixed bridge, 10-pos.	10	silver
Isolator bridge bar, 10-pos.	10	silver
Test socket		silver
Partition plate, 2 mm width		gray
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.	2	black
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., I <sub>max.</sub> 20 A	2	black
Test socket, for test connection with test plug PS		orange

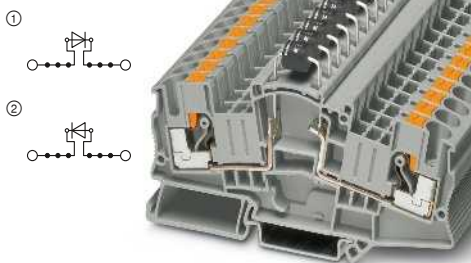
Ordering data		
Type	Order No.	Pcs. / Pkt.
EB 2-8	0202154	100
EB 3-8	0202141	100
EB 4-8	0202142	100
EB 10-8	0202138	10
SCBI 10-8,15	3245134	10
SCBI 10-8,15 ISO	3000417	10
TPS 3/20/5	3246586	10
ATP-URTK/SP	0311139	10
KSSI 2-8	3000722	10
KSS 8	0311540	10
PSBJ 6-T OG	3070320	10

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> PT... push-in connection terminal blocks

### Diode terminal blocks

Notes:
1) For additional accessories and technical data, see page 140.
2) If the diode is loaded to 5 A, the surface reaches a temperature of 140°C.
3) 1000 V reverse voltage
If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.



5 A, 1000 V, diode terminal block, same shape



Spacer plate, same shape

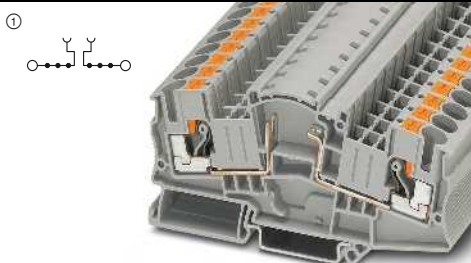
ERC

		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		8.2	100.8	60 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		5 <sup>2)</sup>	1000 <sup>3)</sup>	0.5 - 10	-
Max. bridge current	[A]	41 (FBS) / 32 (FBSR)			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000 <sup>3)</sup>			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	5 <sup>2)</sup> / 6			
<b>Ordering data</b>					
Description	Color	Type	Order No.	Pcs. / Pkt.	
Terminal block, for conducting direction see circuit diagram	gray	PTME 6-DIO/L-R HV	3035697	50	
Spacer plate	gray	PTME 6-DIO/R-L HV	3035698	50	
<b>Accessories<sup>1)</sup></b>					
Cover, width 2.2 mm	gray	D-DTME 6	3034426	10	

		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		8.2	100.8	49.6 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		-	-	-	-
Max. bridge current	[A]	-			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	-			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-			
<b>Ordering data</b>					
Description	Color	Type	Order No.	Pcs. / Pkt.	
DP-STMED 6	gray		3035690	50	
<b>Accessories<sup>1)</sup></b>					
Cover, width 2.2 mm	gray				

### Component terminal blocks

Notes:
1) For additional accessories and technical data, see page 140.



Terminal block, for soldering a component

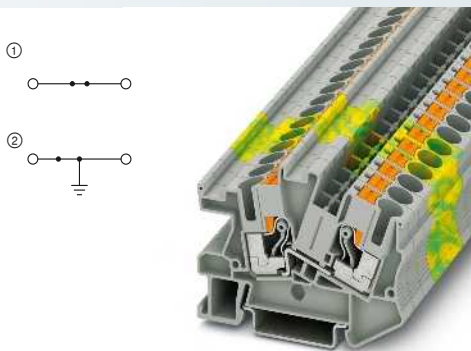
ERC

		Technical data <sup>1)</sup>			
<b>Dimensions</b>	[mm]	Width	Length	Height	
		8.2	100.8	60 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		32	500	0.5 - 10	-
Max. bridge current	[A]	32			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / 6			
<b>Ordering data</b>					
Description	Color	Type	Order No.	Pcs. / Pkt.	
Terminal block, component can be soldered in	gray	PTME 6-BE	3035687	50	
<b>Accessories<sup>1)</sup></b>					
Cover, width 2.2 mm	gray	D-DTME 6	3034426	10	

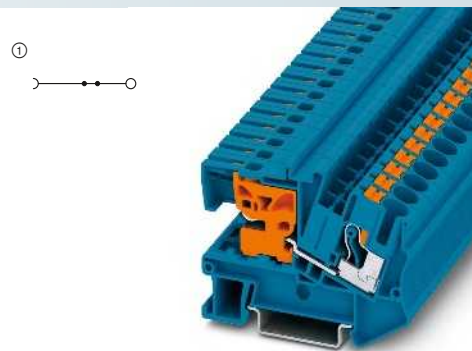


Installation terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 140.  
**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



41 A, feed-through terminal block



41 A, neutral disconnect terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	66	50 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	800	0.5 - 10	-	
41 (FBS)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
Nominal current / cross section	41 / 6			

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	66.3	50 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	400	0.5 - 10	-	
41 (FBS)				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
Nominal current / cross section	41 / 6			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTI 6	3213972	50	
PTI 6 BU	3213973	50	
PTI 6-PE	3213966	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTN 6	3213967	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-DTI 6	3034947	50	
AB-PTI 6	3214008	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-PTN 6	3213979	50	
AB-PTI 6	3214008	50	

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow
Neutral disconnect terminal block	blue

Cover, width 2.2 mm	gray
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue

# Terminal blocks - CLIPLINE complete

## 10 mm<sup>2</sup> PT... push-in connection terminal blocks

### General technical data for 10 mm<sup>2</sup> PT... push-in connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm <sup>2</sup> ]	10			
Cross section range	AWG	20 - 6			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	1.5 - 4
Plug-in connection cross sections	[mm <sup>2</sup> ]	1 - 16	-	4 - 10	2.5 - 10
<b>General data</b>					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

**Notes:**

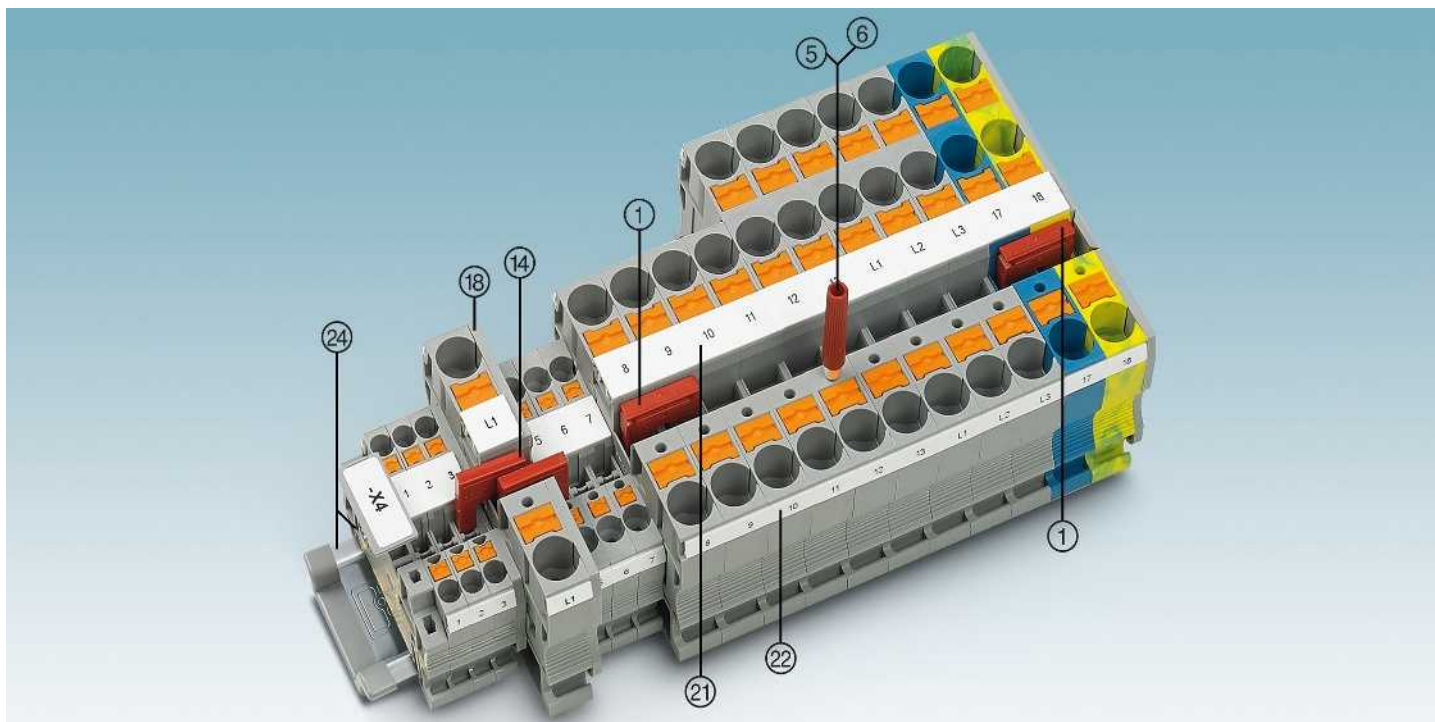


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-10	3005947	10			
	5	red	FBS 5-10	3005948	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
Screwdriver			SZF 3-1,0X5,5	1206612	10			
④ Reducing bridge	For RB ..., see page 344.							
⑧ Cover	Documented for the product.							
② Center groove marking	UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.							
③ Center and lateral groove marking	UC-TMF 10, UCT-TMF 10 or ZBF 10. See also Catalog 5, selection tables from page 100.							
② DIN rails and end brackets	See Catalog 5.							
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.							



# Terminal blocks - CLIPLINE complete

## 16 mm<sup>2</sup> PT... push-in connection terminal blocks

### General technical data for 16 mm<sup>2</sup> PT... push-in connection terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	16			
Cross section range	AWG	20 - 4			
Connection capacity		solid	stranded	Ferrule	
1 conductor	[mm <sup>2</sup> ]	0.5 - 25	0.5 - 16	without	with plastic sleeve
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	1.5 - 4
Plug-in connection cross sections	[mm <sup>2</sup> ]	2.5 - 25	-	2.5 - 16	2.5 - 16
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

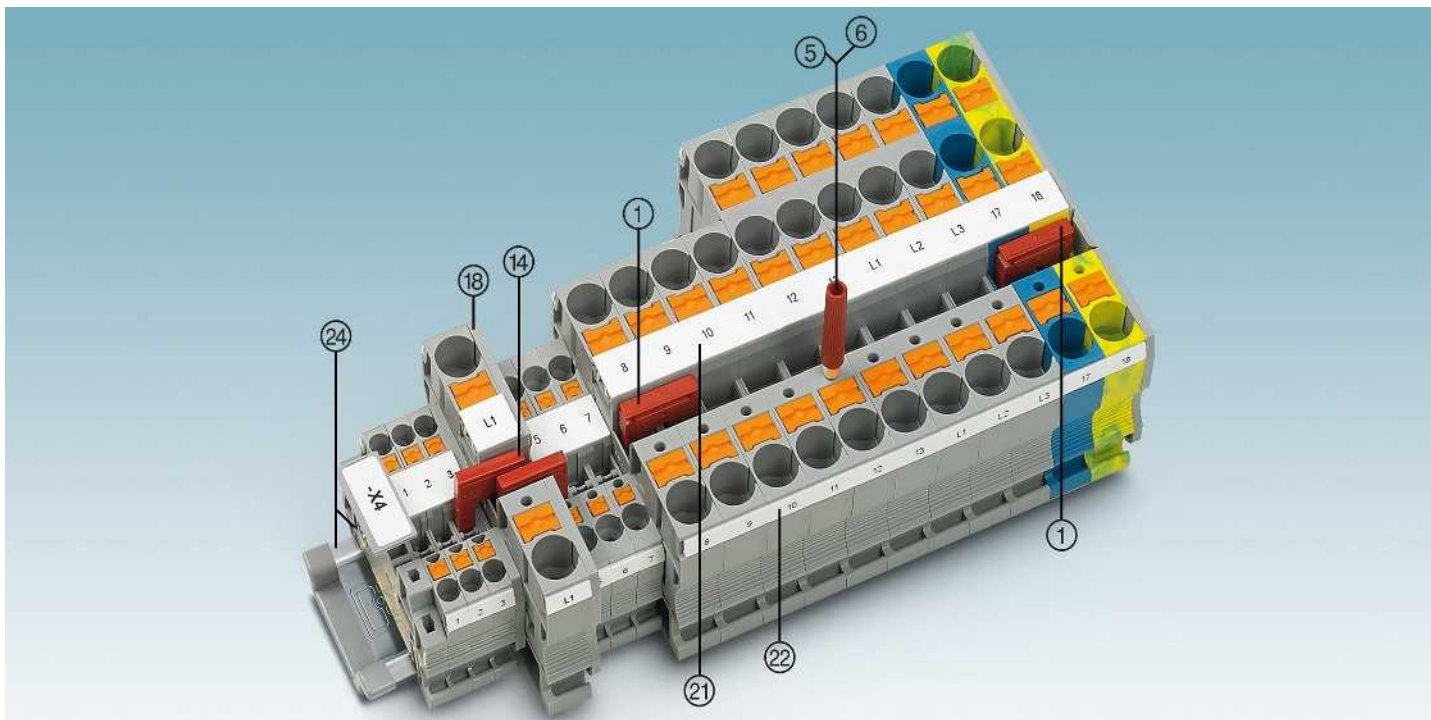


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 16 mm<sup>2</sup> PT... push-in connection terminal blocks



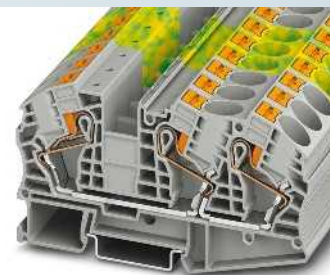
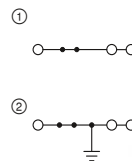
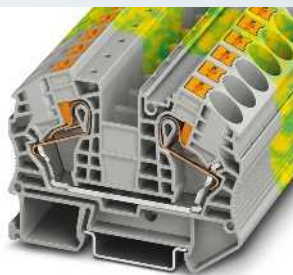
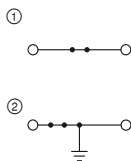
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-12	3005950	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
Screwdriver			SZF 3-1,0X5,5	1206612	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑱ Cover			Documented for the product.					
⑲ Center groove marking			UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.					
⑳ Center and lateral groove marking			UC-TMF 12, UCT-TMF 12 or ZBF 12. See also Catalog 5, selection tables from page 100.					
㉑ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 148.

For information on installation and using accessories for Ex applications, see page 602.



#### 85 A, feed-through terminal block

#### 85 A, feed-through terminal block, 3 connections



Ex:

SEV13ATEX0159U / IECEx SEV13.0005U

##### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height	
	12.2	75.4	52.6 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	85	1000	0.5 - 25	20-4
Max. bridge current	76			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	600	550
Nominal current / cross section	76 / 16	85	70	65.5 / 16

##### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 16 N	3212138	50
PT 16 N BU	3212142	50
PT 16 N-PE	3212147	50

##### Accessories<sup>1)</sup>

D-PT 16 N	3212060	50
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Ex:

SEV13ATEX0159U / IECEx SEV13.0005U

##### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height	
	12.2	100.2	52.6 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	85	1000	0.5 - 25	20-4
Max. bridge current	76			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	600	550
Nominal current / cross section	76 / 16	85	70	65.5 / 16

##### Ordering data

Type	Order No.	Pcs. / Pkt.
PT 16-TWIN N	3208760	25
PT 16-TWIN N BU	3208773	25
PT 16-TWIN N-PE	3208786	25

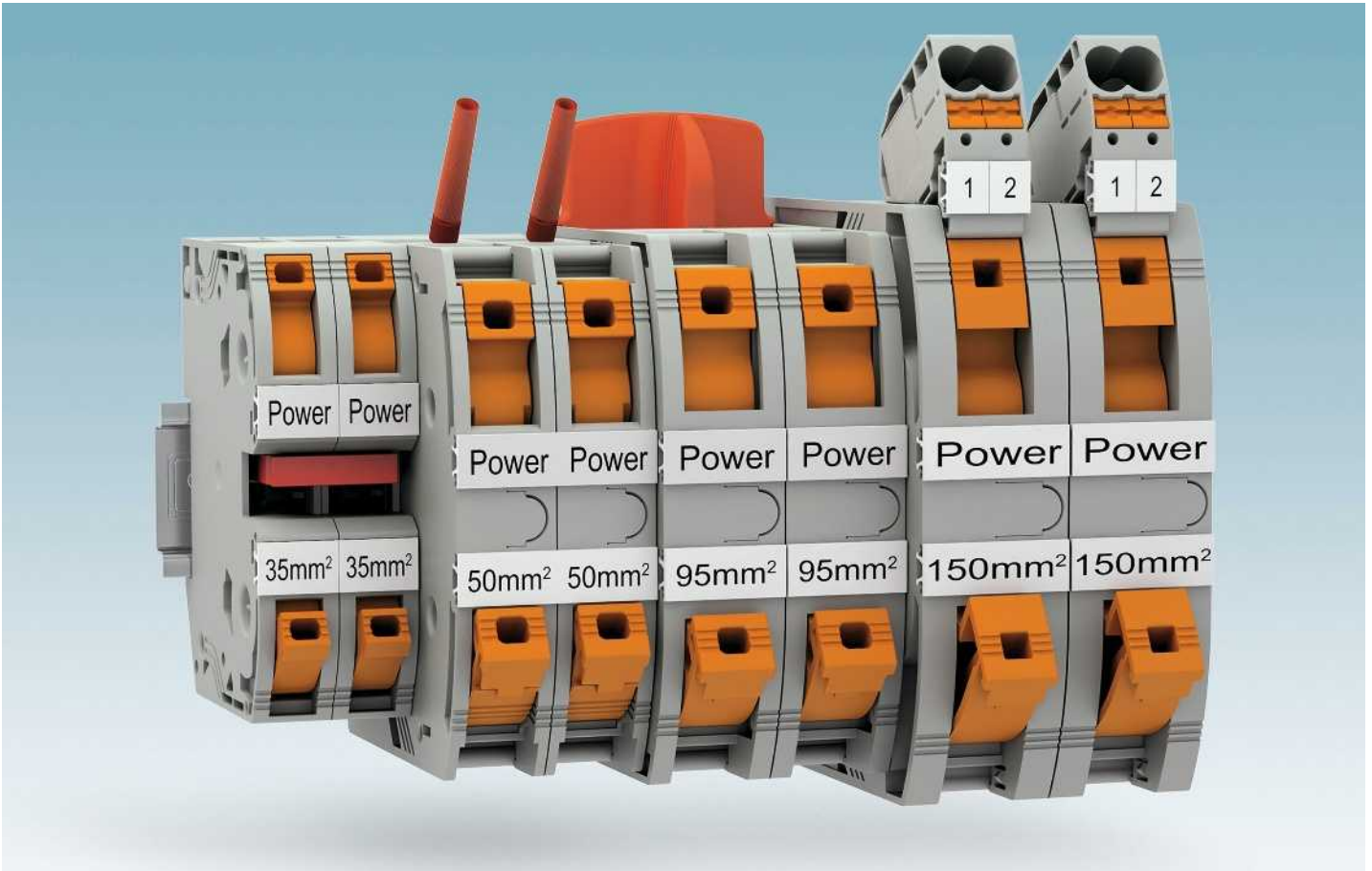
##### Accessories<sup>1)</sup>

D-PT 16-TWIN N	3208799	50
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Description	Color
Terminal block	gray blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

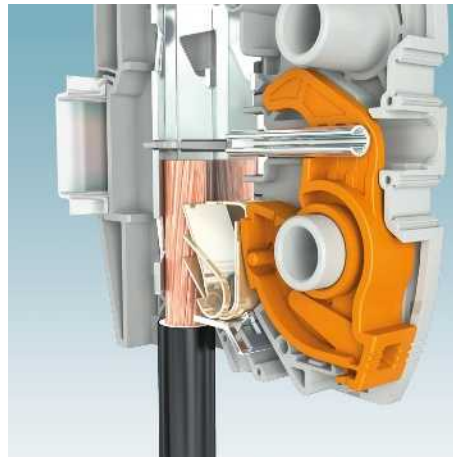
# Terminal blocks - CLIPLINE complete

## 35 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks



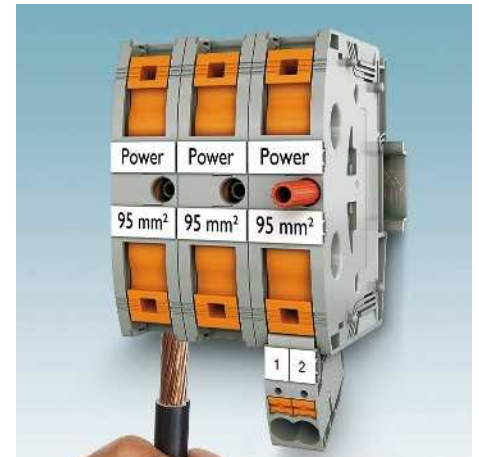
### Twist connection

The patented Power-Turn spring connection technology enables large conductors to be connected quickly and easily using a standard screwdriver and a single lever movement.



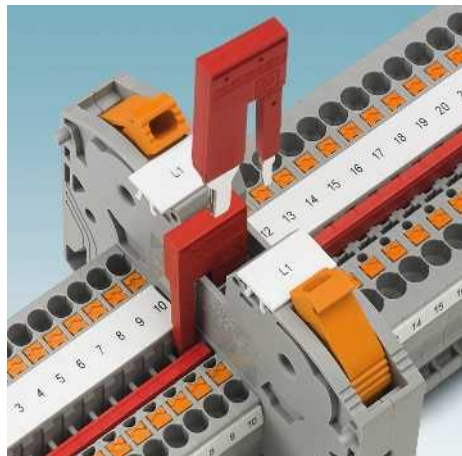
### Reliable contact

Up to three high-quality spring steel pressure springs work with the prismatic terminal body base to create a vibration-resistant conductor connection that is stable in the long-term.

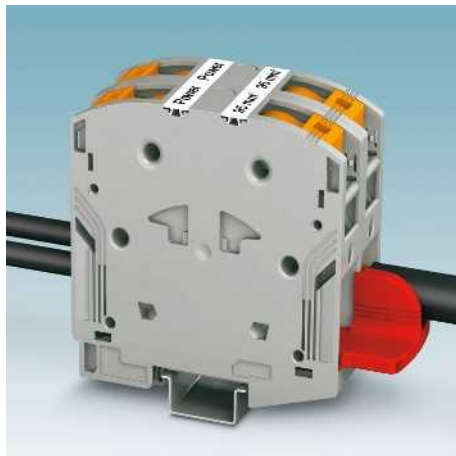


### Direct connection

Quick and easy connection is now also possible for large conductors. Alternatively, conductors can also be quickly and easily inserted directly when the lever is closed by means of the push-in method.



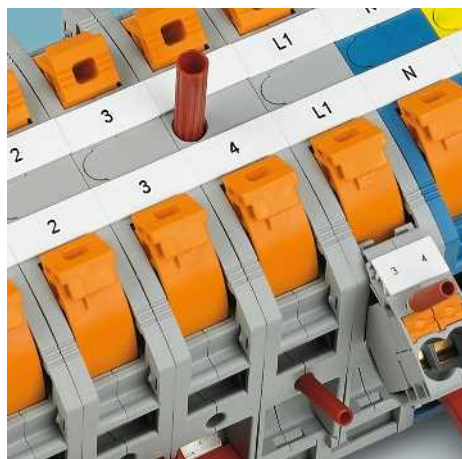
With PTPOWER 35, the reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., to a PT 2,5 or PT 4 push-in terminal block. Power blocks can be created quickly using the reducing bridge.



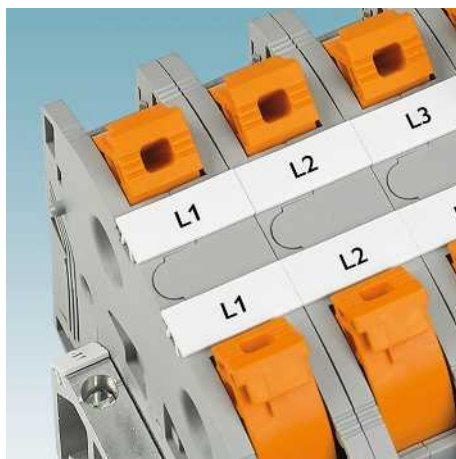
Distribute potentials with the isolated insertion bridges. They can be installed easily without any tools and latch securely in the clamping space. Thanks to their special design, they can also be easily identified following conductor connection.



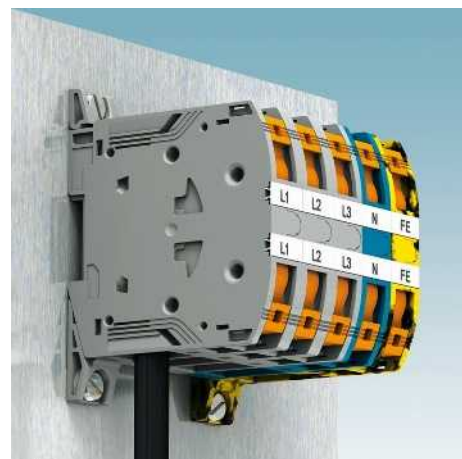
The fully insulated and optional snap-on tap-off terminal block enables easy voltage tap-off for two conductors up to 16 mm<sup>2</sup>. With large-surface marking option and integrated 2.3 mm test connection.



Test connection on both sides for standard test plugs with a diameter of 2.3 mm. High-current terminal block versions with 4 mm test connection in the terminal center are available for the use of 4 mm test plugs.



Large-surface, clear marking of the terminal points is essential for reliable and time-saving installation. Furthermore, it provides an optimum overview in the control cabinet.



Pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base for DIN rail or direct mounting is available for every function.

**i** Your web code: #0158

# Terminal blocks - CLIPLINE complete

## 35 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

### General technical data for 35 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	35			
Cross section range	AWG	10 - 2			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	6 - 35	6 - 35	-	6 - 35
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	2.5 - 10
Plug-in connection cross sections	[mm <sup>2</sup> ]	6 - 35	6 - 35	6 - 35	6 - 35
<b>General data</b>					
Stripping length	[mm]	25			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

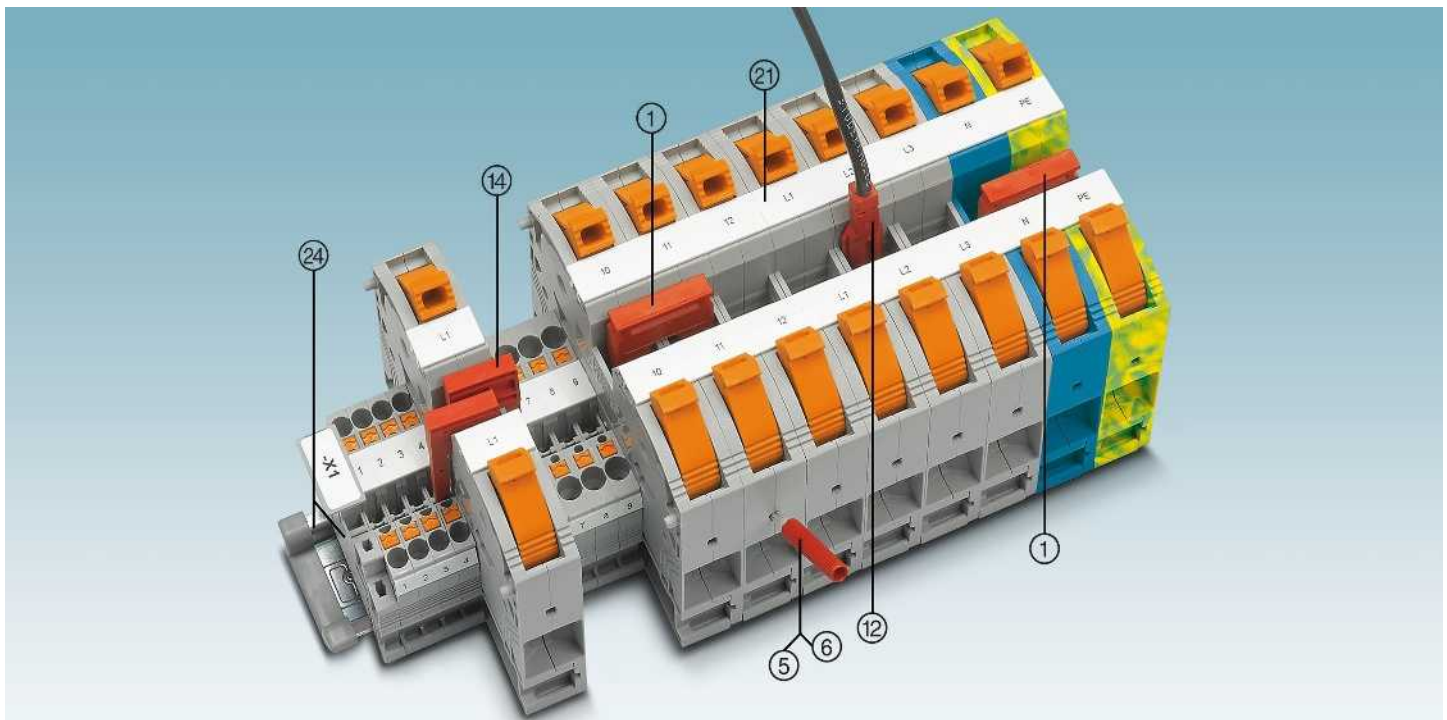


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 35 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks



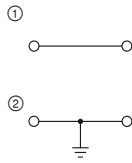
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-16	3005963	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑫ Test plug, with 2.5 mm <sup>2</sup> conductor		red	PAI-ST 35/1000MM	3029994	20			
Screwdriver			SZF 3-1.0X5,5	1206612	10			
⑭ Reducing bridge			RB PTPOWER 35-ST(2,5/4) Order No. 3030900 for reduction bridging to ST 2,5 / PT 2,5 or ST 4 / PT 4 RB PTPOWER 35-ST 16 Order No. 3032170 for reduction bridging to ST 16 / PT 16					
⑳ Center groove marking			UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.					
㉔ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					



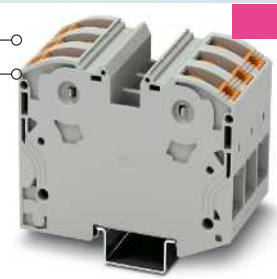
35 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

High-current terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 152.



125 A, feed-through terminal block



125 A, terminal block base

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
16	91.6	62.3 (NS 35/15)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125	1000	6 - 35	-	
125				
IEC	UL / CUL	CSA	Ex	
1000	-	-	-	
125	-	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
48	91.6	62.3 (NS 35/15)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125	1000	6 - 35	-	
125				
IEC	UL / CUL	CSA	Ex	
1000	-	-	-	
125	-	-	-	

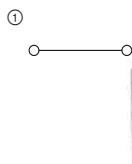
Description	Color
<b>Terminal block</b>	gray
	blue
	black/yellow
<b>Ground terminal</b>	green-yellow
<b>Terminal block base, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 35	① 3212064	10	
PTPOWER 35 BU	① 3212065	10	
PTPOWER 35-FE	① 3212081	10	
PTPOWER 35-PE	② 3212066	10	

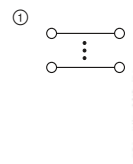
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 35-3L	① 3212068	10	
PTPOWER 35-3L/N	① 3212069	10	
PTPOWER 35-3L/FE	① 3212070	10	
PTPOWER 35-3L/N/FE	① 3212071	10	

High-current terminal blocks for direct mounting

**Notes:**  
 1) For additional accessories and technical data, see page 152.



125 A, feed-through terminal block for direct mounting



125 A, terminal block base for direct mounting

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
16	91.6	62.3 (NS 35/15)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125	1000	6 - 35	-	
125				
IEC	UL / CUL	CSA	Ex	
1000	-	-	-	
125	-	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
48	91.6	62.3 (NS 35/15)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125	1000	6 - 35	-	
125				
IEC	UL / CUL	CSA	Ex	
1000	-	-	-	
125	-	-	-	

Description	Color
<b>Terminal block, for direct mounting</b>	gray
	blue
	black/yellow
<b>Terminal block base, for direct mounting, 3 x gray</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 35-F	① 3212078	10	
PTPOWER 35-F BU	① 3212079	10	
PTPOWER 35-FE-F	① 3212082	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 35-3L-F	① 3212072	10	
PTPOWER 35-3L/N-F	① 3212073	10	
PTPOWER 35-3L/FE-F	① 3212075	10	
PTPOWER 35-3L/N/FE-F	① 3212076	10	

# Terminal blocks - CLIPLINE complete

## 50 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

### General technical data for 50 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	50			
Cross section range	AWG	8 - 2/0			
Connection capacity		solid	stranded	Ferrule	
				without	with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	10 - 70	10 - 70	10 - 50	10 - 50
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	10 - 16
Plug-in connection cross sections	[mm <sup>2</sup> ]	10 - 70	-	10 - 50	10 - 50
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	50	50	-	-
General data					
Stripping length	[mm]	30			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

#### Notes:

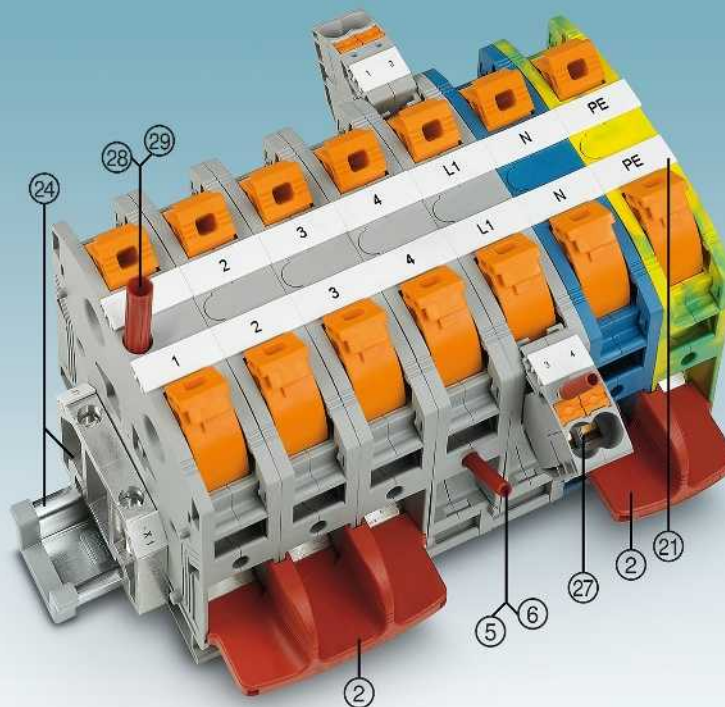


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

1) The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 50 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks



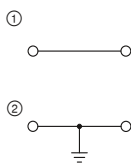
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② Insertion bridge <sup>1)</sup>	2	red	EB 2-20/PT	3260067	10			
	3	red	EB 3-20/PT	3260068	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Tap-off terminal block		gray	AGK 10-PTPOWER	3260145	10			
		blue	AGK 10-PTPOWER BU	3260148	10			
		green/yellow	AGK 10-PTPOWER GN/YE	3260151	10			
		black/yellow	AGK 10-PTPOWER BK/YE	3260154	10			
Screwdriver			SZF 3-1,0X5,5	1206612	10			

② Center groove marking	UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.
④ DIN rails and end brackets	See Catalog 5.
⑦ Tap-off terminal block	For MPS-MT/ 4MM and PS-IH RD, see page 346.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

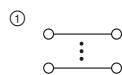
50 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

High-current terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 154.



150 A, feed-through terminal block



150 A, terminal block base

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	20	101	105 (NS 35/15)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	150	1500	10 - 70	-
Max. bridge current	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1500	-	-	-
Nominal current / cross section	150	-	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 50	① 3260050	10	
PTPOWER 50 BU	① 3260051	10	
PTPOWER 50-FE	① 3260063	10	
PTPOWER 50 P	① 3260065	10	
PTPOWER 50-PE	② 3260052	10	

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	60	101	105 (NS 35/15)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	150	1500	10 - 70	-
Max. bridge current	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1500	-	-	-
Nominal current / cross section	150	-	-	-

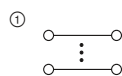
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 50-3L	① 3260053	10	
PTPOWER 50-3L/N	① 3260054	10	
PTPOWER 50-3L/FE	① 3260055	10	
PTPOWER 50-3L/N/FE	① 3260056	10	

High-current terminal blocks for direct mounting

**Notes:**  
 1) For additional accessories and technical data, see page 154.



150 A, feed-through terminal block for direct mounting



150 A, terminal block base for direct mounting

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	20	101	105 (NS 35/15)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	150	1500	10 - 70	-
Max. bridge current	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1500	-	-	-
Nominal current / cross section	150	-	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 50-F	① 3260061	10	
PTPOWER 50-F BU	① 3260062	10	
PTPOWER 50-FE-F	① 3260064	10	

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	60	101	105 (NS 35/15)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	150	1500	10 - 70	-
Max. bridge current	150			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1500	-	-	-
Nominal current / cross section	150	-	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 50-3L-F	① 3260057	10	
PTPOWER 50-3L/N-F	① 3260058	10	
PTPOWER 50-3L/FE-F	① 3260059	10	
PTPOWER 50-3L/N/FE-F	① 3260060	10	

# Terminal blocks - CLIPLINE complete

## 95 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

### General technical data for 95 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	95			
Cross section range	AWG	4 - 3/0			
Connection capacity		solid	stranded	Ferrule	
				without	with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	25 - 95	25 - 95	25 - 95	25 - 95
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Plug-in connection cross sections	[mm <sup>2</sup> ]	25 - 95	-	25 - 95	25 - 95
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	95	70	-	-
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

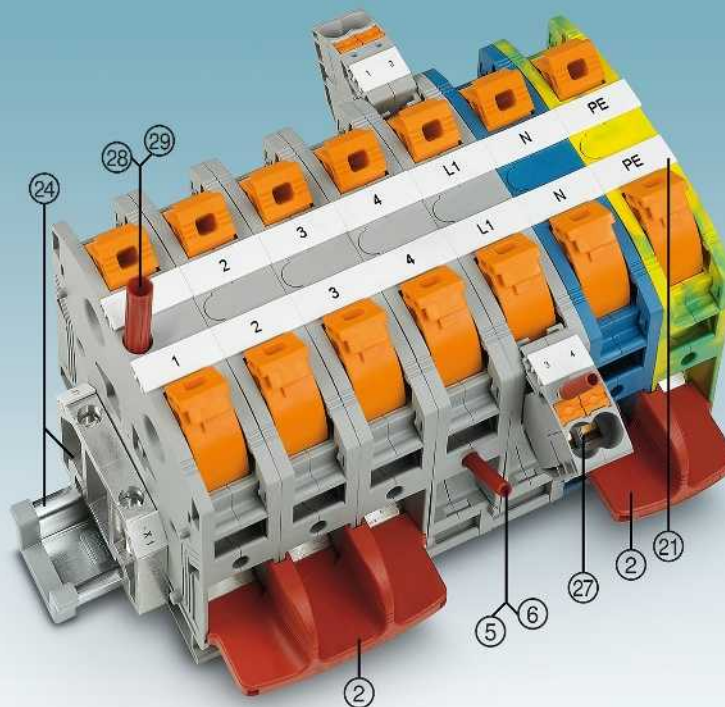


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 95 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

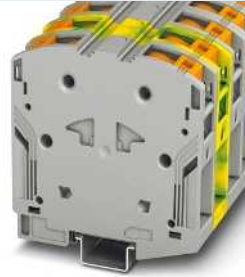
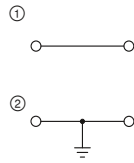


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② Insertion bridge <sup>1)</sup>	2	red	EB 2-20/PT	3260067	10			
	3	red	EB 3-20/PT	3260068	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Tap-off terminal block		gray	AGK 10-PTPOWER	3260145	10			
		blue	AGK 10-PTPOWER BU	3260148	10			
		green/yellow	AGK 10-PTPOWER GN/YE	3260151	10			
		black/yellow	AGK 10-PTPOWER BK/YE	3260154	10			
<b>Screwdriver</b>			SZF 3-1,0X5,5	1206612	10			
② Center groove marking	UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.							
④ DIN rails and end brackets	See Catalog 5.							
⑨ Test plug	For MPS-MT/ 4MM and PS-IH RD, see page 346.							
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.							

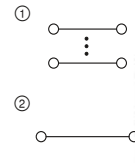
95 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

High-current terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 156.  
 For information on installation and using accessories for Ex applications, see page 602.



232 A, feed-through terminal block



232 A, terminal block base

**UL US ENEC**  
 Ex: **SEV14ATEX0156U / IECExSEV14.0013U**

**UL US ENEC**

Dimensions	[mm]
Width	25
Length	105.5
Height	108.7 (NS 35/15)

Max. electrical data	[A]
Max. bridge current	150
Rated data	
Rated voltage	1500
Nominal current / cross section	232 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
25	105.5	108.7 (NS 35/15)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1500	25 - 95	4-4/0
IEC	UL / CUL	CSA	Ex
1500	1000	-	1100
232 / 95	230	-	215 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
75	105.5	108.7 (NS 35/15)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1500	25 - 95	4-4/0
IEC	UL / CUL	CSA	Ex
1500	1000	-	-
232 / 95	230	-	-

Description	Color
<b>Terminal block</b>	gray
	blue
	black/yellow
with 4 mm test connection	gray
<b>Ground terminal</b>	green/yellow
<b>Terminal block base, 3 x gray</b>	gray
3 x gray	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 95	① 3260100	10	
PTPOWER 95 BU	① 3260103	10	
PTPOWER 95-FE	① 3260139	10	
PTPOWER 95 P	① 3260163	10	
PTPOWER 95-PE	② 3260106	10	

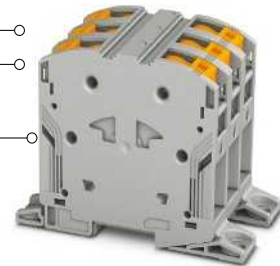
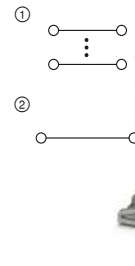
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 95-3L	① 3260109	3	
PTPOWER 95-3L/N	② 3260112	2	
PTPOWER 95-3L/FE	② 3260115	2	
PTPOWER 95-3L/N/FE	② 3260118	2	

High-current terminal blocks for direct mounting

**Notes:**  
 1) For additional accessories and technical data, see page 156.  
 For drilling diagram, see phoenixcontact.net/products  
 For information on installation and using accessories for Ex applications, see page 602.



232 A, feed-through terminal block, for direct mounting



232 A, terminal block base for direct mounting

**UL US ENEC**  
 Ex: **SEV14ATEX0156U / IECExSEV14.0013U**

**UL US ENEC**

Dimensions	[mm]
Width	25
Length	139.1
Height	99.8

Max. electrical data	[A]
Max. bridge current	150
Rated data	
Rated voltage	1500
Nominal current / cross section	232 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
25	139.1	99.8	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1500	25 - 95	4-4/0
IEC	UL / CUL	CSA	Ex
1500	1000	-	1100
232 / 95	230	-	215 / 95

Technical data <sup>1)</sup>			
Width	Length	Height	
75	139.1	99.8	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1500	25 - 95	4-4/0
IEC	UL / CUL	CSA	Ex
1500	1000	-	-
232 / 95	230	-	-

Description	Color
<b>Terminal block, for direct mounting</b>	gray
	blue
	black/yellow
<b>Terminal block base, for direct mounting, with three gray feed-through terminal blocks</b>	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 95-F	① 3260133	10	
PTPOWER 95-F BU	① 3260136	10	
PTPOWER 95-FE-F	① 3260142	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 95-3L-F	① 3260121	3	
PTPOWER 95-3L/N-F	② 3260124	2	
PTPOWER 95-3L/FE-F	② 3260127	2	
PTPOWER 95-3L/N/FE-F	② 3260130	2	

# Terminal blocks - CLIPLINE complete

## 150 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

### General technical data for 150 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	150			
Cross section range	AWG	1/0 - 300 kcmil			
Connection capacity		solid	stranded	Ferrule	
1 conductor	[mm <sup>2</sup> ]	50 - 150	50 - 150	without	with plastic sleeve
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Plug-in connection cross sections	[mm <sup>2</sup> ]	50 - 150	-	50 - 95	50 - 95
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	150	150	-	-
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Note: additional or deviating data is documented for the product.

#### Notes:

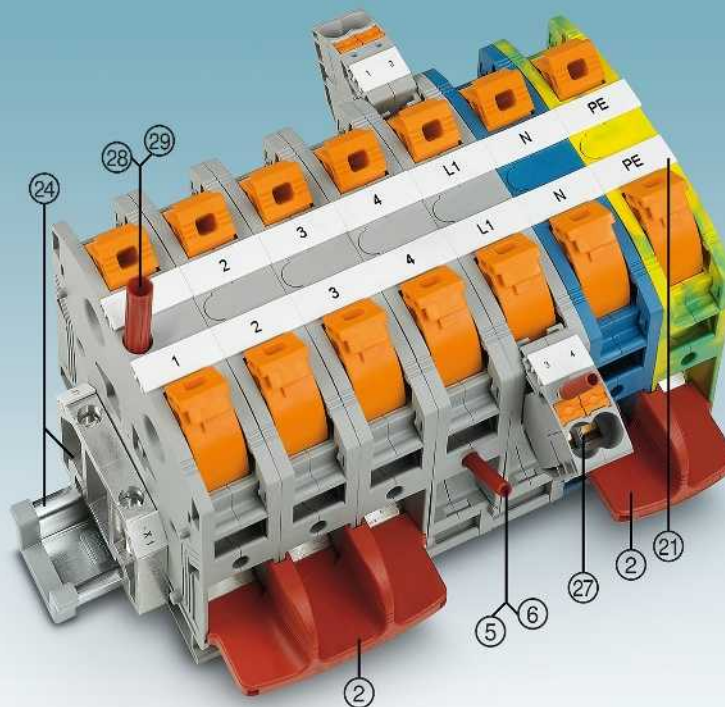


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

1) The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 150 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks



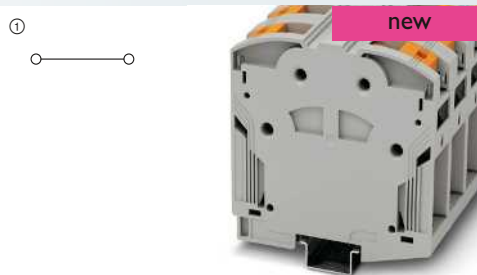
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
② Insertion bridge <sup>1)</sup>	2	red	EB 2-31/PT	3215057	5			
	3	red	EB 3-31/PT	3215058	5			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Tap-off terminal block		gray	AGK 10-PTPOWER	3260145	10			
		blue	AGK 10-PTPOWER BU	3260148	10			
		green/yellow	AGK 10-PTPOWER GN/YE	3260151	10			
		black/yellow	AGK 10-PTPOWER BK/YE	3260154	10			
Screwdriver			SZF 3-1,0X5,5	1206612	10			

② Center groove marking	UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.
②④ DIN rails and end brackets	See Catalog 5.
②②② Test plug	For MPS-MT/ 4MM and PS-IH RD, see page 346.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

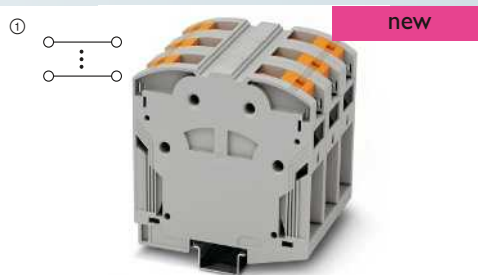
150 mm<sup>2</sup> PTPOWER Power-Turn high-current terminal blocks

High-current terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 158.



309 A, feed-through terminal block



309 A, terminal block base

ERC

Technical data <sup>1)</sup>				
Width	Length	Height		
31	116.4	116.5 (NS 35/15)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
309	1500	50 - 150	-	
150				
IEC	UL / CUL	CSA	Ex	
1500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
309 / 150	-			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 150	3215000	3	
PTPOWER 150 BU	3215001	3	
PTPOWER 150-FE	3215002	3	
PTPOWER 150 P	3215003	3	
PTPOWER 150 P BU	3215004	3	

ERC

Technical data <sup>1)</sup>				
Width	Length	Height		
93	116.4	108.7 (NS 35/15)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
309	1500	50 - 150	-	
150				
IEC	UL / CUL	CSA	Ex	
1500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
309 / 150	-			

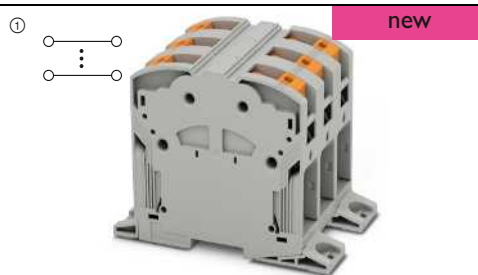
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 150-3L	3215005	1	
PTPOWER 150-3L/N	3215006	1	
PTPOWER 150-3L/FE	3215007	1	
PTPOWER 150-3L/N/FE	3215008	1	

High-current terminal blocks for direct mounting

**Notes:**  
 1) For additional accessories and technical data, see page 158.



309 A, feed-through terminal block, for direct mounting



309 A, terminal block base for direct mounting

ERC

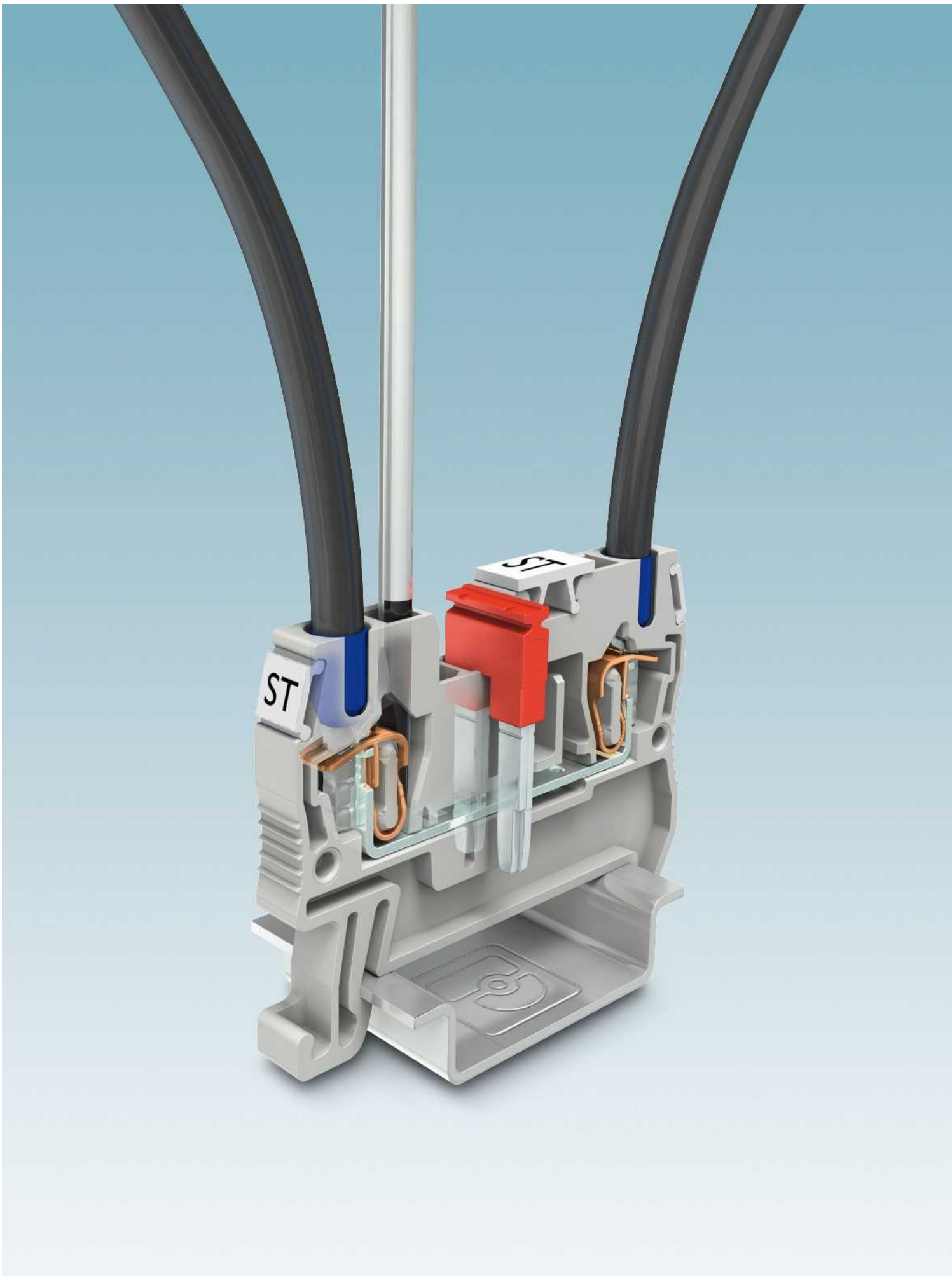
Technical data <sup>1)</sup>				
Width	Length	Height		
31	150	108.3		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
309	1500	50 - 150	-	
150				
IEC	UL / CUL	CSA	Ex	
1500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
309 / 150	-			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 150 F	3215030	3	
PTPOWER 150 F BU	3215031	3	
PTPOWER 150-FE-F	3215032	3	

ERC

Technical data <sup>1)</sup>				
Width	Length	Height		
31	150	108.3		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
309	1500	50 - 150	-	
150				
IEC	UL / CUL	CSA	Ex	
1500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
309 / 150	-			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTPOWER 150-3L-F	3215033	1	
PTPOWER 150-3L/N-F	3215034	1	
PTPOWER 150-3L/FE-F	3215035	1	
PTPOWER 150-3L/N/FE-F	3215036	1	





# ST... spring-cage connection terminal blocks

The ST... spring-cage connection terminal blocks from the CLIPLINE complete system have been developed for universal spring-loaded conductor contacting. The high contact force guarantees a vibration-proof, gas-tight connection with long-term stability.

The compact front connection ensures easy operation. The terminal point is opened using a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact.

All kinds of copper conductors up to 35 mm<sup>2</sup> can be clamped without any pretreatment.

Spring-cage connection terminal blocks offer a large insertion space, which means that conductors with a nominal cross section can be wired both with and without ferrules.

## Product range overview

### 1.5 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **167**

### 2.5 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **171**

Initiator/actuator terminal blocks **174**

Disconnect and knife disconnect terminal blocks **176**

Diode terminal blocks **178**

Hybrid terminal blocks with screw connection on one side **180**

Desk-design terminal blocks **180**

Desk-design disconnect and knife disconnect terminal blocks **181**

Mini terminal blocks **182**

### 4 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals **187**

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape **189**

Disconnect and knife disconnect terminal blocks **190**

Diode terminal blocks **190**

Hybrid terminal blocks with screw connection on one side **191**

Desk-design terminal blocks **191**

Desk-design disconnect and knife disconnect terminal blocks **193**

### 6 mm<sup>2</sup>

Feed-through and multi-conductor terminal blocks and ground terminals **195**

Test disconnect terminal blocks **196**

Diode terminal blocks **197**

Desk-design terminal blocks **197**

Fuse terminal blocks **199**

### 10 mm<sup>2</sup>

Feed-through and multi-conductor terminal blocks and ground terminals **201**

Installation terminal blocks **201**

Hybrid terminal blocks with screw connection on one side **202**

### 16 mm<sup>2</sup>

Feed-through and multi-conductor terminal blocks and ground terminals **205**

Installation terminal blocks **205**

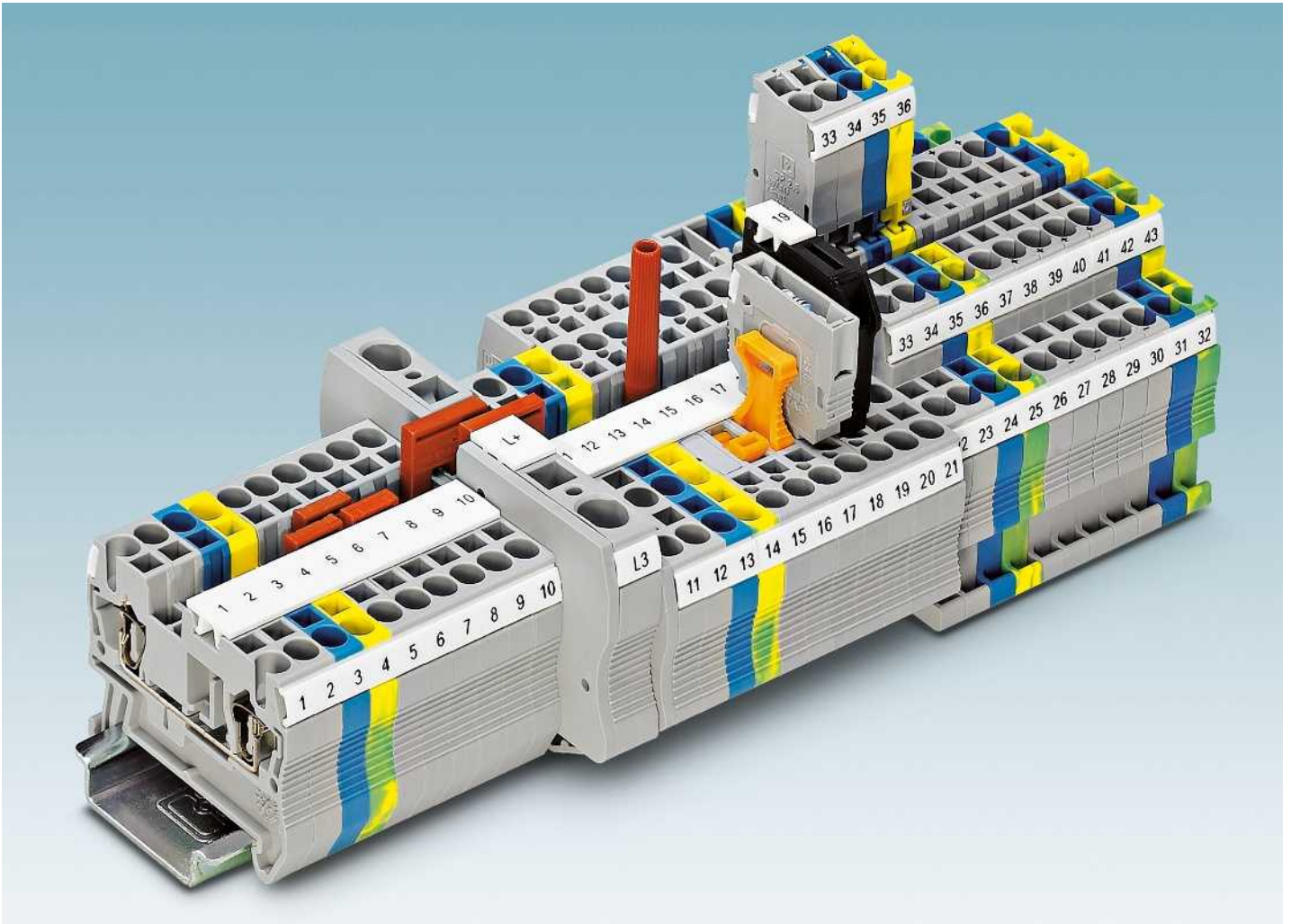
### 35 mm<sup>2</sup>

Feed-through terminal blocks and ground terminals **207**

Hybrid terminal blocks with screw connection on one side **207**

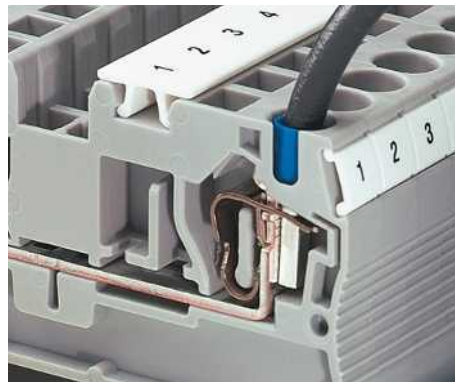
## Terminal blocks - CLIPLINE complete

### ST... spring-cage connection terminal blocks



#### Space-saving design

Thanks to the space-saving design and conductor entry from above, ST... spring-cage terminal blocks are ideal for control systems where limited space is available.



#### Maximum connection space

Thanks to their maximum connection space, miniature spring-cage terminal blocks offer a quick means of wiring solid and stranded conductors, even for conductors of the nominal cross section with assembled ferrule.

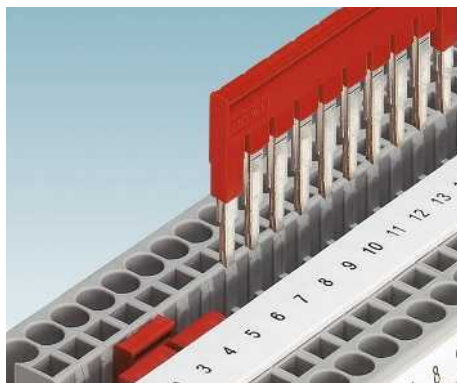


#### Large-surface marking

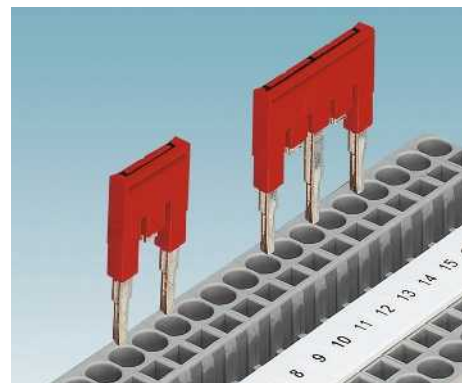
Large and clear marking of the terminal points is essential for reliable and quick installation. In addition to this, each terminal point can be marking separately.



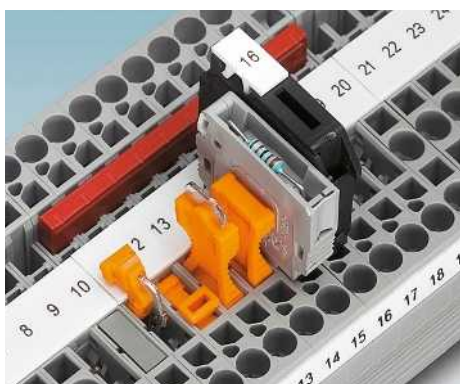
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease. The reducing bridge can be used to quickly create power blocks, e.g., an ST 10 spring-cage terminal block with an ST 2,5 or ST 4.



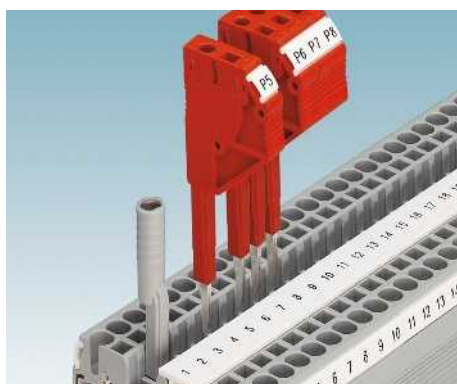
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



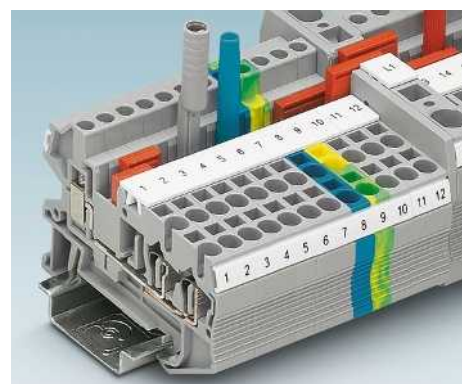
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



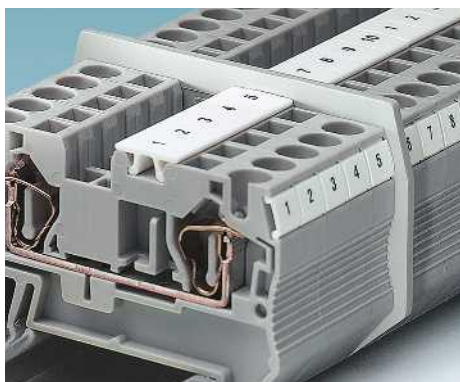
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug can be used in the universal plug-in zone of the disconnect terminal block.



A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



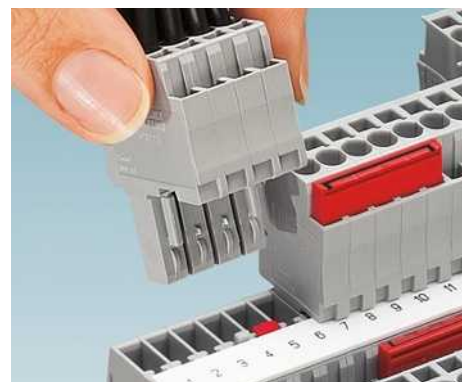
The hybrid versions combine the benefits of the spring-cage connection method with those of the universal screw connection.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.



Cover segments are used to cover protruding terminal block segments of three- or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact.

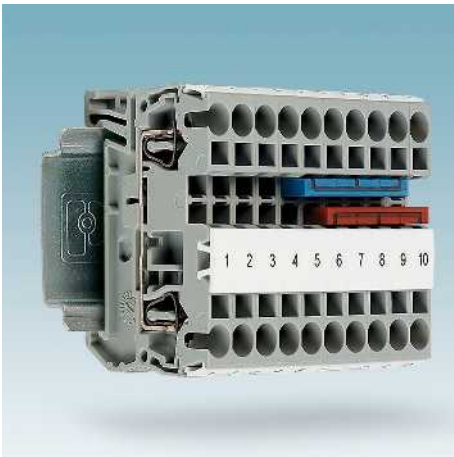


ST-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is touch proof and offers plugs for self-assembly with extensive accessories. See "COMBI" section, page 225.

# Terminal blocks - CLIPLINE complete

## ST... spring-cage connection terminal blocks

### ST... feed-through, multi-conductor, and multi-level terminal blocks



- Convenient operation thanks to front connection
- Space saving thanks to the compact design
- Optimum overview thanks to large marking areas

**i** Your web code: #0061

### STIO... three-conductor initiator/actuator terminal block



- A wide range of products thanks to versions with PE function or LED display
- Optimum overview of signal connections thanks to a variety of marking options
- Modular expansion up to a maximum of 50 positions, as power terminals are the same shape
- Energy supplied or enhanced by power terminals
- Potential supply via the STIO-IN power terminals

**i** Your web code: #0062

### ST... disconnect and knife disconnect terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Individual assembly with disconnect element, fuse plug, component connector, and feed-through connector

**i** Your web code: #0063

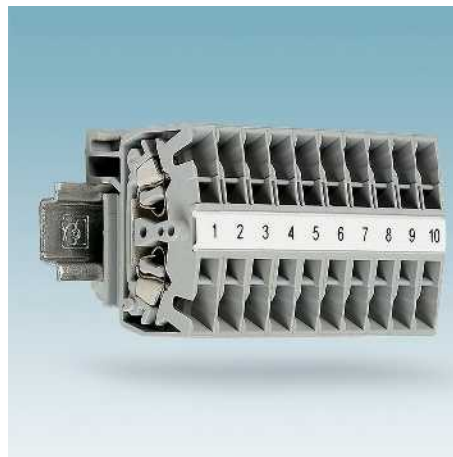
## STI... installation terminal blocks



- Space saving thanks to the low-profile design
- Complete flexibility – all installation terminal blocks with different connection technologies can be combined
- Dielectric test without disconnecting the neutral conductor – thanks to the disconnect slide
- Protection against unintentional actuation since the disconnect slide can be snapped into the limit positions

**i** Your web code: #0066

## MSB... miniature terminal blocks



- Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- Horizontal connection for particularly flat inserts
- Vertical connection in confined spaces
- Clear, as all terminal points are marked

**i** Your web code: #0067

**STME... test disconnect terminal blocks**

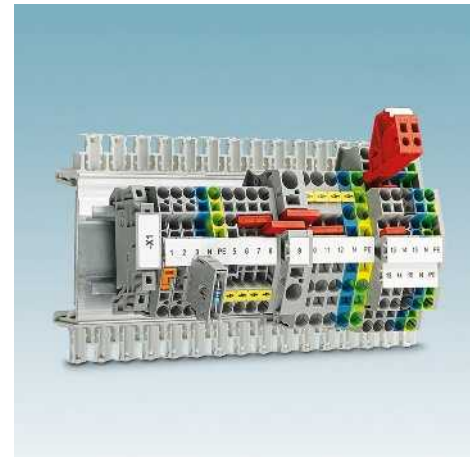
- Easy and safe operation thanks to clear indication of switching states
- Maximum functionality – up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Modular design of transformer circuits thanks to plug-in test disconnect terminal blocks

**i** Your web code: **#0064**

**STU... hybrid terminal blocks**

- Meet requirements for internal and external wiring at the same time as different connection methods are integrated in a single terminal block
- Free choice of connection technology thanks to two combination options
- Space saving thanks to the compact design
- Uniform distances from cable ducts
- Feed-through terminal blocks and ground terminals of the same shape

**i** Your web code: **#0065**

**STS... desk-design terminal blocks**

- Angled design enables minimized bending radii for better conductor routing
- Designed for use on wiring frames instead of typical channel wiring
- Two-, three-, and four-conductor terminal blocks with the same contour
- Universal disconnect zone for also accommodating isolating plugs, feed-through connectors, component connectors, and fuse plugs

**i** Your web code: **#0061**

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### General technical data for 1.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	1.5			
Cross section range	AWG	28 - 16			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5
<b>General data</b>					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		VO			

Note: additional or deviating data is documented for the product.

#### Notes:

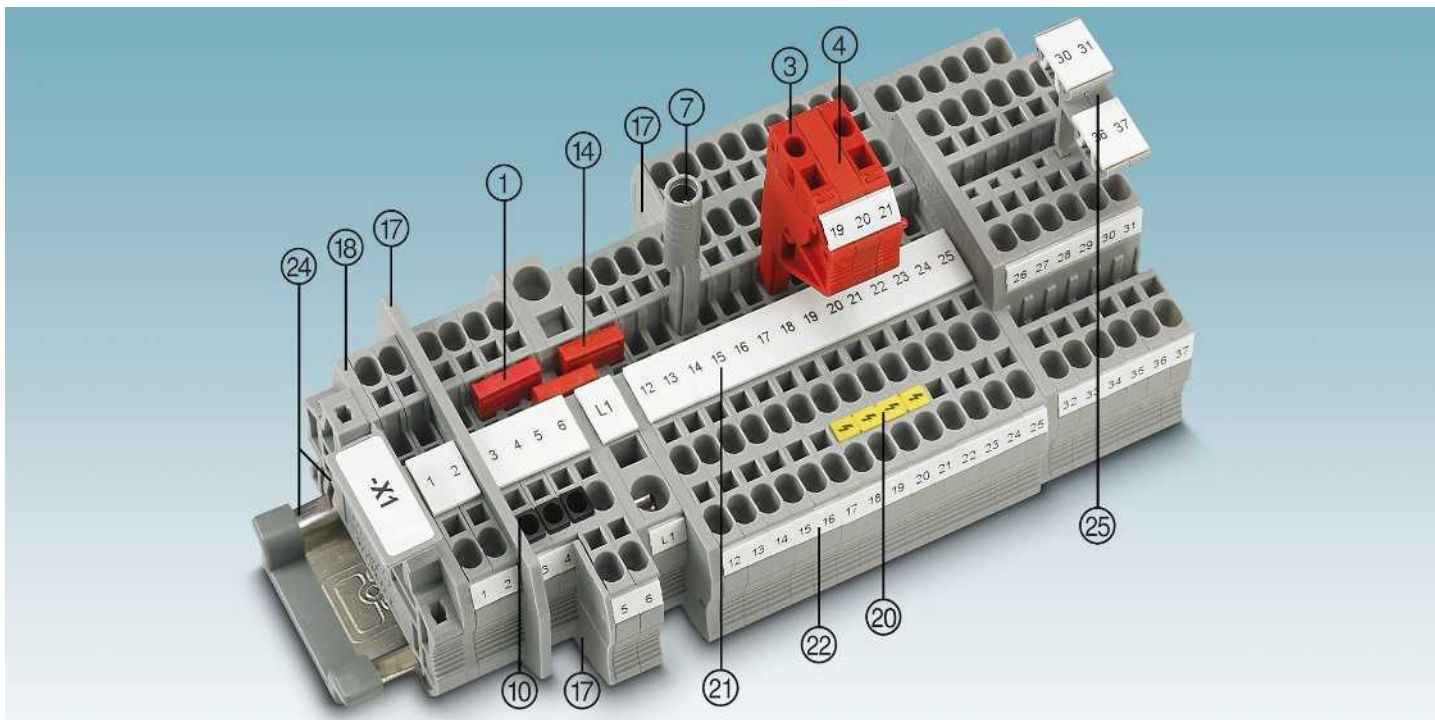


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

1) The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 1.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-4	3030116	50			
	3	red	FBS 3-4	3030129	50			
	4	red	FBS 4-4	3030132	50			
	5	red	FBS 5-4	3030145	50			
	10	red	FBS 10-4	3030158	10			
	20	red	FBS 20-4	3030352	10			
③ Modular test plug		red	PS-4	3030970	10			
④ Spacer plate		red	DP PS-4	3036712	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve		white	ISH 1,5/0,2	3206131	50			
		gray	ISH 1,5/0,5	3031034	50			
Screwdriver			SZF 0-0,4X2,5	1204504	10			

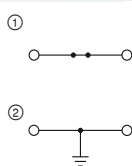
⑭ Reducing bridge
⑰ Partition plates/end cover segments
⑱ Cover
⑳ Warning labels
㉑ Center groove marking
㉒ Center and lateral groove marking
㉓ DIN rails and end brackets
㉔ Marker carrier
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
For WS ..., see page 353.
UC-TM 4, UCT-TM 4 or ZB 4. See also Catalog 5, selection tables from page 100.
UC-TMF 4, UCT-TMF 4 or ZBF 4. See also Catalog 5, selection tables from page 100.
See Catalog 5.
For STP ..., see page 352.
Note: additional or deviating accessories are documented for the product.

## 1.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 166.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block



Ex:   
 KEMA 01ATEX2129 U / IECEx KEM 06.0043U

#### Technical data<sup>1)</sup>

Width	Length	Height		
4.2	48.5	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.08 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	300	300	440	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		15 / -	15 / - 17.5 / 1.5	

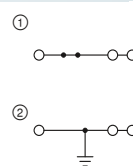
#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 1,5	① 3031076	50
ST 1,5 BU	① 3031089	50
ST 1,5-PE	② 3031513	50

#### Accessories<sup>1)</sup>

D-ST 2,5	Order No.	Pcs. / Pkt.
D-ST 2,5	3030417	50

Dimensions	[mm]
Width	4.2
Length	48.5
Height	36.5 (NS 35/7,5)
Max. electrical data	
I <sub>max.</sub> [A]	17.5
U <sub>max.</sub> [V]	500
Max. bridge current [A]	17.5
Rated data	
Rated voltage [V]	500
Nominal current / cross section [A] / [mm <sup>2</sup> ]	17.5 / 1.5
Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



17.5 A, feed-through terminal block, 3 connections



Ex:   
 KEMA 01ATEX2129 U / IECEx KEM 06.0043U

#### Technical data<sup>1)</sup>

Width	Length	Height		
4.2	60.5	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.08 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	300	300	440	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		15 / -	15 / - 17.5 / 1.5	

#### Ordering data

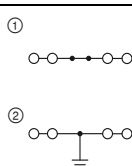
Type	Order No.	Pcs. / Pkt.
ST 1,5-TWIN	① 3031128	50
ST 1,5-TWIN BU	① 3031131	50
ST 1,5-TWIN-PE	② 3031144	50

#### Accessories<sup>1)</sup>

D-ST 2,5-TWIN	Order No.	Pcs. / Pkt.
D-ST 2,5-TWIN	3030488	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 166.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block, 4 connections



Ex:   
 KEMA 01ATEX2129 U / IECEx KEM 06.0043U

#### Technical data<sup>1)</sup>

Width	Length	Height		
4.2	72	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.08 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	300	300	440	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		15 / -	15 / - 17.5 / 1.5	

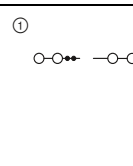
#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 1,5-QUATTRO	① 3031186	50
ST 1,5-QUATTRO BU	① 3031199	50
ST 1,5-QUATTRO-PE	② 3031209	50

#### Accessories<sup>1)</sup>

D-ST 2,5-QUATTRO	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO	3030514	50

Dimensions	[mm]
Width	4.2
Length	72
Height	36.5 (NS 35/7,5)
Max. electrical data	
I <sub>max.</sub> [A]	17.5
U <sub>max.</sub> [V]	500
Max. bridge current [A]	17.5
Rated data	
Rated voltage [V]	500
Nominal current / cross section [A] / [mm <sup>2</sup> ]	17.5 / 1.5
Description	Color
Terminal block	gray
	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



17.5 A, feed-through terminal block, 4 connections, with interrupted current bar



#### Technical data<sup>1)</sup>

Width	Length	Height		
4.2	72	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.08 - 1.5	26-14	
17.5				
IEC	UL / CUL	CSA	Ex	
500	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		15 / -	-	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 1,5-QUATTRO-U	① 3038600	50

#### Accessories<sup>1)</sup>

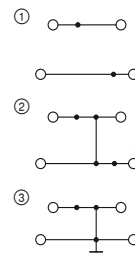
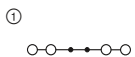
D-ST 2,5-QUATTRO	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO	3030514	50

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 166.
ISH... insulating sleeves and PS ... and PAI ... test accessories cannot be used with the ST 1,5/S-QUATTRO.
For information on installation and using accessories for Ex applications, see page 602.



**17.5 A, feed-through terminal block, 4 connections**

**17.5 A, double-level terminal block**



Ex: IECEx  
KEMA 01ATEX2129 U / IECEx KEM 06.0043U

		Technical data <sup>1)</sup>			
<b>Dimensions</b>		Width	Length	Height	
	[mm]	3.5	72	32 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		17.5	500	0.08 - 1.5	28-16
Max. bridge current	[A]	17.5			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5	10 / -	10 / -	-
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
<b>General data</b>		Stripping length [mm]			
		8			

		Technical data <sup>1)</sup>			
<b>Dimensions</b>		Width	Length	Height	
	[mm]	4.2	67.5	47.5 (NS 35/7,5)	
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		17.5	500	0.08 - 1.5	26-14
Max. bridge current	[A]	15			
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	440
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5	15 / -	15 / -	17.5 / 1.5
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5
<b>General data</b>		Stripping length [mm]			
		10			

			Ordering data		
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
<b>Terminal block</b>		gray	ST 1,5/S-QUATTRO	① 3213124	50
With potential distribution		blue			
<b>Ground terminal</b>		gray			
		green-yellow			

			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
STTB 1,5	① 3031157	50	STTB 1,5 BU	① 3031160	50
STTB 1,5-PV	② 3031526	50	STTB 1,5-PE	③ 3036013	50

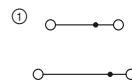
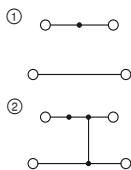
			Accessories <sup>1)</sup>		
<b>Cover, width 2.2 mm</b>		gray	D-ST 1,5/S-QUATTRO	3213166	50
<b>Jumper</b>			FBS 2-3,5	17.5 A 3213014	50
	2	red	FBS 3-3,5	17.5 A 3213027	50
	3	red	FBS 4-3,5	17.5 A 3213030	50
	4	red	FBS 5-3,5	17.5 A 3213043	50
	5	red	FBS 10-3,5	17.5 A 3213056	50
	10	red			

			Accessories <sup>1)</sup>		
D-STTB 2,5	3030459	50			



### Double-level terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 166.



**24 A, double-level terminal block**

**20 A, double-level terminal block, both levels can be bridged**



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	67.5	42.5 (NS 35/7,5) / 42 (NS 15)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)	
	24	500	0.14 - 2.5 26-14	
Rated data	IEC	UL / CUL	CSA	Ex
Max. bridge current [A]	20			
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	17.5 / 1.5	15 / -	-	-
Cross section range AWG	26 - 14	-	-	-
Connection capacity	solid		stranded Ferrule without/with plastic sleeve	
1 conductor [mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
General data	Stripping length [mm] 9			

Ordering data			
Description	No. of pos.	Color	Type
Terminal block		gray	MZFKK 1,5 ①
With potential distribution		gray	MZFKK 1,5-PV ②

Accessories <sup>1)</sup>			
Accessories	Type	Order No.	Pcs. / Pkt.
Cover, width 1 mm	D-MZFKK 1,5	3029839	50
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch	TS-KK 3	2770215	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar	FBRI 2-5 N	20 A 3000227	10
	FBRI 3-5 N	20 A 3000201	10
	FBRI 10-5 N	20 A 2770642	10
	SZF 1-0,6X3,5	1204517	10

Lateral groove marking UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	85	42.5 (NS 35/7,5) / 42 (NS 15)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)	
	20	500	0.14 - 2.5 26-14	
Rated data	IEC	UL / CUL	CSA	Ex
Max. bridge current [A]	17.5			
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	17.5 / 1.5	15 / -	-	-
Cross section range AWG	26 - 14	-	-	-
Connection capacity	solid		stranded Ferrule without/with plastic sleeve	
1 conductor [mm <sup>2</sup> ]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
General data	Stripping length [mm] 9			

Ordering data			
Description	No. of pos.	Color	Type
Terminal block		gray	MZFKKB 1,5 ①

Accessories <sup>1)</sup>			
Accessories	Type	Order No.	Pcs. / Pkt.
Cover, width 1 mm	D-MZFKKB 1,5	3024630	50
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch	TS-KK 3	2770215	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar	FBRI 2-5 N	20 A 3000227	10
	FBRI 3-5 N	20 A 3000201	10
	FBRI 10-5 N	20 A 2770642	10
	SZF 1-0,6X3,5	1204517	10

Lateral groove marking UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### General technical data for 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	28 - 12
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.08 - 4      0.08 - 2.5      0.14 - 2.5      0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      0.5
<b>General data</b>		
Stripping length	[mm]	8 - 10
Insulating material		PA
Inflammability class according to UL 94		VO

Note: additional or deviating data is documented for the product.

#### Notes:

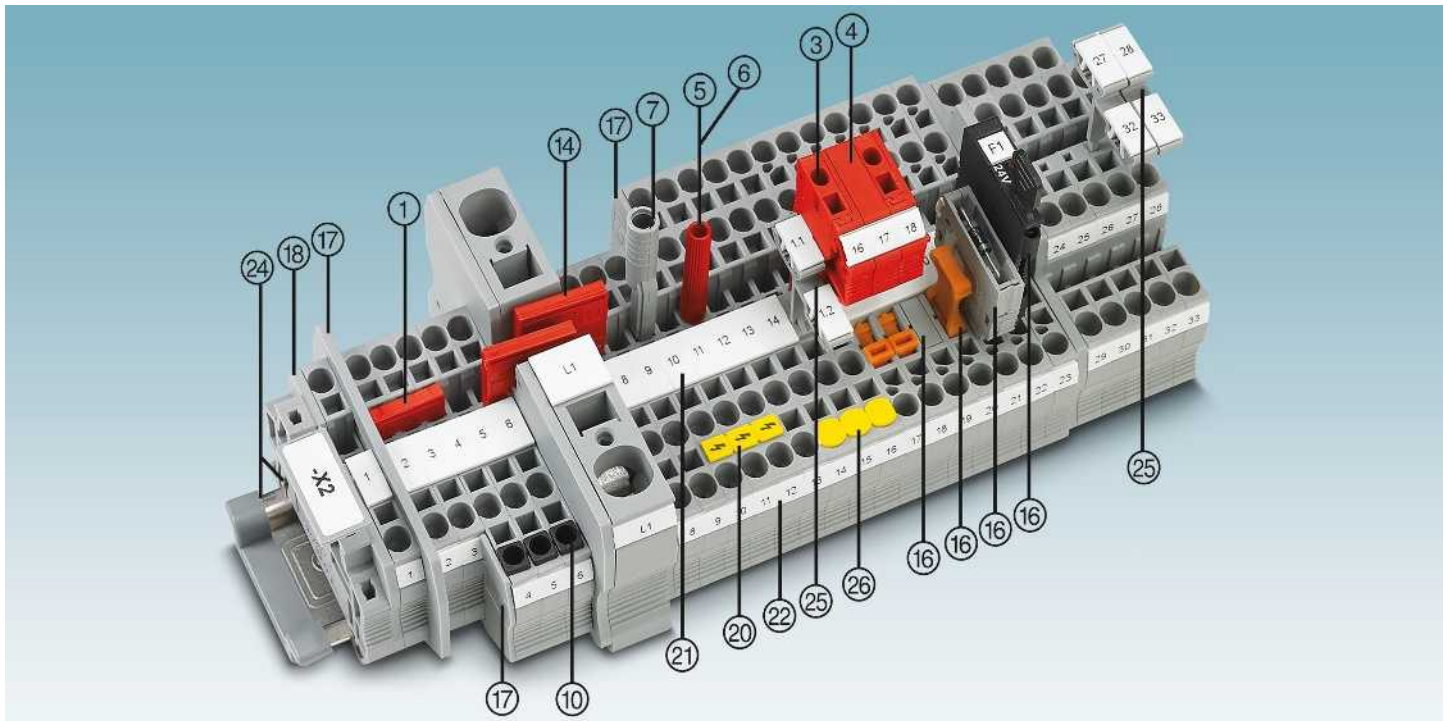


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks



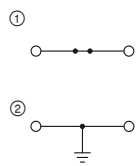
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve		white	ISH 2,5/0,2	3002843	50			
	0.25 - 0.5 mm <sup>2</sup>	gray	ISH 2,5/0,5	3002856	50			
	0.75 - 1 mm <sup>2</sup>	black	ISH 2,5/1,0	3002869	50			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Warning labels	For WS ..., see page 353.
⑲ Center groove marking	UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.
⑲ Center and lateral groove marking	UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.
⑲ DIN rails and end brackets	See Catalog 5.
⑲ Marker carrier	For STP ..., see page 352.
⑲ Cover for conductor shaft	For CEC ..., see page 348.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



31 A, feed-through terminal block

Ex: 
  
 KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	48.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
31	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	21 / 2.5

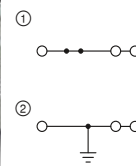
Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 2,5	3031212	50	①	
ST 2,5 BU	3031225	50	①	
ST 2,5-PE	3031238	50	②	

Accessories <sup>1)</sup>				
D-ST 2,5	3030417	50		

Dimensions	[mm]			
Max. electrical data				
Max. bridge current	[A]			
Rated data				
Rated voltage	[V]			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			

Description	Color			
Terminal block	gray			
	blue			
Ground terminal	green-yellow			

Cover, width 2.2 mm	gray			
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28 A, feed-through terminal block, 3 connections

Ex: 
  
 KEMA 00ATEX2052U / IECEx KEM 06.0051U

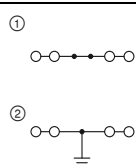
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	60.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	21.5 / 2.5

Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 2,5-TWIN	3031241	50	①	
ST 2,5-TWIN BU	3031254	50	①	
ST 2,5-TWIN-PE	3031267	50	②	

Accessories <sup>1)</sup>				
D-ST 2,5-TWIN	3030488	50		

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



28 A, feed-through terminal block, 4 connections

Ex: 
  
 KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	72	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	22 / 2.5

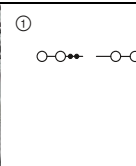
Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 2,5-QUATTRO	3031306	50	①	
ST 2,5-QUATTRO BU	3031319	50	①	
ST 2,5-QUATTRO-PE	3031322	50	②	

Accessories <sup>1)</sup>				
D-ST 2,5-QUATTRO	3030514	50		

Dimensions	[mm]			
Max. electrical data				
Max. bridge current	[A]			
Rated data				
Rated voltage	[V]			
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			

Description	Color			
Terminal block	gray			
with interrupted current bar	gray			
	blue			
Ground terminal	green-yellow			

Cover, width 2.2 mm	gray			
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28 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	72	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	22 / 2.5	20 / -	-

Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 2,5-QUATTRO-U	3031636	50	①	

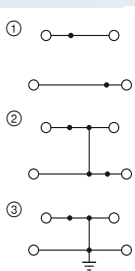
Accessories <sup>1)</sup>				
D-ST 2,5-QUATTRO	3030514	50		

# Terminal blocks - CLIPLINE complete

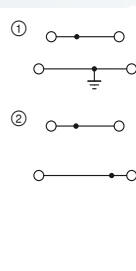
## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



26 A, double-level terminal block



32 A, double-level ground terminal

Ex: 
  
 KEMA 00ATEX2052U / IECEx KEM 06.0051U

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	67.5	47.5 (NS 35/7,5)		
<i>I</i> <sub>max.</sub> [A]	<i>U</i> <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	440	
22 / 2.5	20 / -	20 / -	19.5 / 2.5	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	67.5	47.5 (NS 35/7,5)		
<i>I</i> <sub>max.</sub> [A]	<i>U</i> <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.08 - 4	28-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
22 / 2.5	20 / -	20 / -	-	

Description	Color
<b>Terminal block</b>	gray
	blue
With potential distribution	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Terminal block</b>	gray-yellow-green
	gray
	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5	① 3031270	50	
STTB 2,5 BU	① 3031283	50	
STTB 2,5-PV	② 3031539	50	
STTB 2,5-PV BU	② 3035108	50	
STTB 2,5-PE	③ 3036026	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-PE/L	① 3036314	50	
STTB 2,5-PE/N	① 3036327	50	
STTB 2,5-L/N	② 3036330	50	

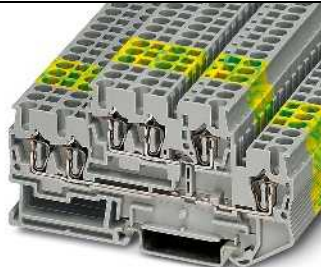
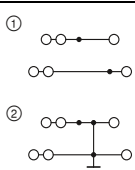
Accessories <sup>1)</sup>	
D-STTB 2,5	gray 3030459 50

Accessories <sup>1)</sup>		
D-STTB 2,5	3030459	50

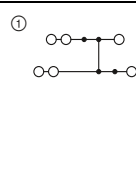
Accessories <sup>1)</sup>		
D-STTB 2,5	3030459	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.



26 A, feed-through terminal block, 3 connections per level



26 A, feed-through terminal block, with equipotential bonding

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	91.5	47.5 (NS 35/7,5)		
<i>I</i> <sub>max.</sub> [A]	<i>U</i> <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.08 - 4	28-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
22 / 2.5	20 / -	20 / -	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	91.5	47.5 (NS 35/7,5)		
<i>I</i> <sub>max.</sub> [A]	<i>U</i> <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.08 - 4	28-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
22 / 2.5	20 / -	20 / -	-	

Description	Color
<b>Terminal block</b>	gray
	blue
	gray
<b>Ground terminal</b>	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-TWIN	① 3038516	50	
STTB 2,5-TWIN BU	① 3038529	50	
STTB 2,5-TWIN-PE	② 3038532	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-TWIN-PV	① 3038545	50	

Accessories <sup>1)</sup>	
D-STTB 2,5-TWIN	gray 3038558 50

Accessories <sup>1)</sup>		
D-STTB 2,5-TWIN	3038558	50

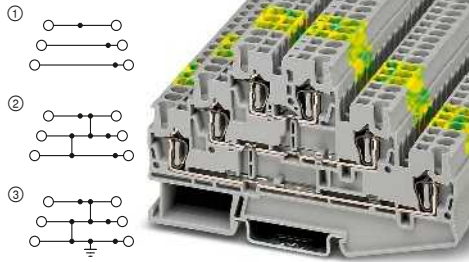
Accessories <sup>1)</sup>		
D-STTB 2,5-TWIN	3038558	50

2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

Multi-level terminal blocks

Notes:

1) For additional accessories and technical data, see page 170.



28 A, three-level terminal block



Technical data<sup>1)</sup>

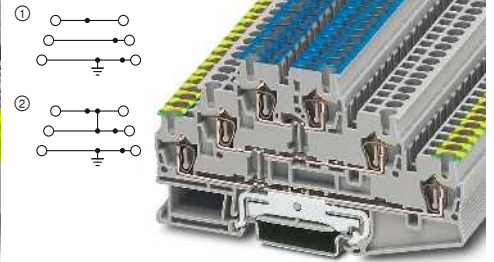
<b>Dimensions</b>	[mm]	Width	Length	Height
		5.2	99.5	58 (NS 35/7,5)
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ] AWG (UL)
		28	500	0.08 - 4 28-12
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSSR)		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	500	600	300 -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	20 / -	20 / -

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Terminal block</b>	gray	ST 2,5-3L	① 3036042	50
	blue	ST 2,5-3L BU	① 3038710	50
With potential distribution	gray	ST 2,5-3PV	② 3036068	50
<b>Ground terminal</b>	green-yellow	ST 2,5-3PE	③ 3036071	50
<b>Terminal block</b>	gray			
With potential distribution	gray			

Accessories<sup>1)</sup>

Cover, width 2.2 mm	gray	D-ST 2,5-3L	3036660	50
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28 A, three-level terminal block with PE foot



Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]	Width	Length	Height
		5.2	99.5	58 (NS 35/7,5)
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ] AWG (UL)
		28	500	0.08 - 4 28-12
Max. bridge current	[A]	22 (FBS) / 17.5 (FBSSR)		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	500	600	300 -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Terminal block</b>	gray	ST 2,5-PE/L/N	① 3036084	50
	gray	ST 2,5-PE/L/L	① 3036097	50
	gray	ST 2,5-PE/2PV	② 3038833	50

Accessories<sup>1)</sup>

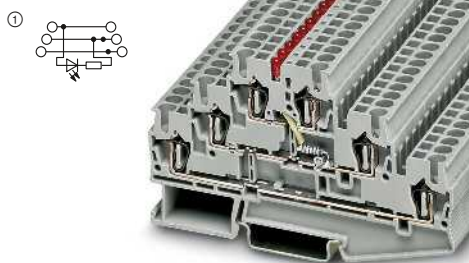
Cover, width 2.2 mm	gray	D-ST 2,5-3L	3036660	50
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Multi-level terminal blocks

Notes:

1) For additional accessories and technical data, see page 170.

2) The operating voltage is determined by the LED version.



28 A, three-level terminal block with LED display



Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]	Width	Length	Height
		5.2	99.5	58 (NS 35/7,5)
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ] AWG (UL)
		28	500 <sup>2)</sup>	0.08 - 4 -
Max. bridge current	[A]	20 (FBS) / 17.5 (FBSSR)		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	500 <sup>2)</sup>	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	-	-

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Terminal block, with LED for 12 – 30 V DC, 0.7 – 2.4 mA</b>	gray	ST 2,5-3L-LA 24RD/O-M	① 3035580	50
<b>Terminal block</b>	gray			

Accessories<sup>1)</sup>

Cover, width 2.2 mm	gray	D-ST 2,5-3L	3036660	50
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26 A, four-level terminal block with PE foot



Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]	Width	Length	Height
		5.2	98.5	73.5 (NS 35/7,5)
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ] AWG (UL)
		26	800	0.08 - 4 28-12
Max. bridge current	[A]	-		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	800	600	600 -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	20 / -	20 / -

Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Terminal block</b>	gray	ST 2,5-PE/3L	① 3036055	50

Accessories<sup>1)</sup>

Cover, width 2.2 mm	gray	D-ST 2,5-PE/3L	3036673	50
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# Terminal blocks - CLIPLINE complete

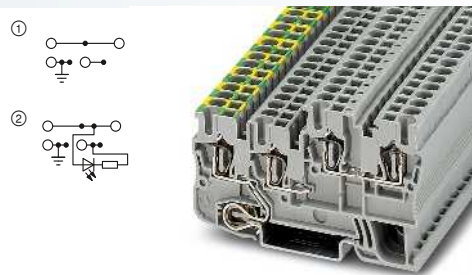
## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Initiator/actuator terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.



18 A, three-conductor initiator terminal block



18 A, three-conductor actuator terminal block with PE foot



Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	75	44.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
18	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	18 / -	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	75	44.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
18	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	18 / -	-	-	

Ordering data	
Description	Color
<b>Terminal block</b>	gray
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STIO 2,5/3-2B/L	① 3209015	50	
STIO 2,5/3-2B/L-LA24RD/O-M	② 3209028	50	
STIO 2,5/3-2B/L-LA24GN/O-M	② 3209031	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STIO 2,5/3-PE/B/L	① 3209044	50	
STIO 2,5/3-PE/B/L-LA24RD/O-M	② 3209138	50	
STIO 2,5/3-PE/B/L-LA24GN/O-M	② 3209141	50	

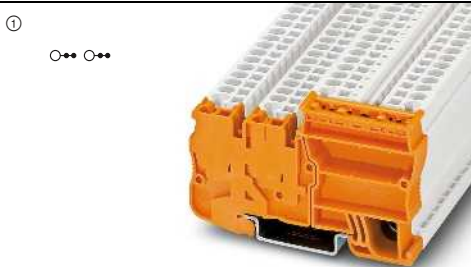
Accessories <sup>1)</sup>	
Cover, width 2.2 mm	gray

Accessories <sup>1)</sup>		
D-STIO 2,5/3	3209112	50

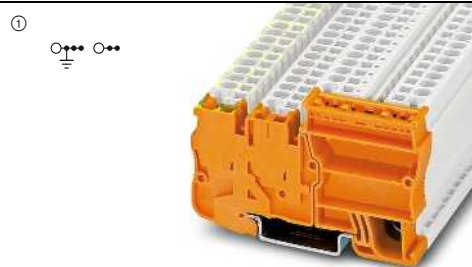
Accessories <sup>1)</sup>		
D-STIO 2,5/3	3209112	50

### Power terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 2) In the case of central power feed.



30 A, power terminal



30 A, power terminal with PE foot



Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
10.4	75	44.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	20 / -	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
10.4	75	44.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	20 / -	-	-	

Ordering data	
Description	Color
<b>Power terminal</b>	orange
	orange

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STIO-IN 2,5/3 OG	① 3209196	25	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STIO-IN 2,5/3-PE OG	① 3209086	25	

Accessories <sup>1)</sup>	
Cover, width 2.2 mm	gray

Accessories <sup>1)</sup>		
D-STIO 2,5/3	3209112	50

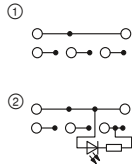
Accessories <sup>1)</sup>		
D-STIO 2,5/3	3209112	50

## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

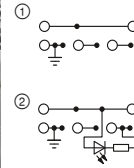
### Initiator/actuator terminal blocks

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 170.



18 A, four-conductor initiator terminal block



18 A, four-conductor actuator terminal block with PE foot



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	92.3	44.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
18	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	18 / -	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	92.3	44.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
18	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	18 / -	-	-	

Description	Color
<b>Terminal block</b>	gray
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray

Ordering data				
Type	Order No.	Pcs. / Pkt.		
STIO 2,5/4-3B/L	① 3209057	50		
STIO 2,5/4-3B/L-LA24RD/O-M	② 3209154	50		
STIO 2,5/4-3B/L-LA24GN/O-M	② 3209167	50		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
STIO 2,5/4-PE/2B/L	① 3209060	50		
STIO 2,5/4-PE/2B/L-LA24RD/O-M	② 3209170	50		
STIO 2,5/4-PE/2B/L-LA24GN/O-M	② 3209183	50		

Accessories <sup>1)</sup>	
Cover, width 2.2 mm	gray

Accessories <sup>1)</sup>		
D-STIO 2,5/4	3209125	50

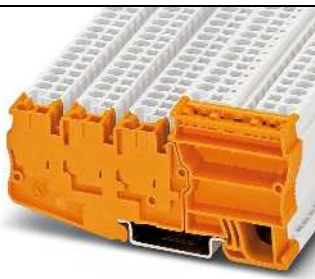
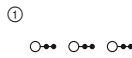
Accessories <sup>1)</sup>		
D-STIO 2,5/4	3209125	50

### Power terminals

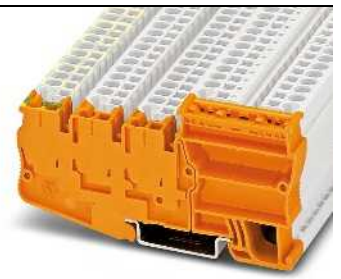
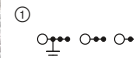
**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 170.

<sup>2)</sup> In the case of central power feed.



30 A, power terminal



30 A, power terminal with PE foot



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
10.4	92.3	44.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	20 / -	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
10.4	92.3	44.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	250	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	300	-	-	
18 / 2.5	20 / -	-	-	

Description	Color
<b>Power terminal</b>	orange
	orange

Ordering data				
Type	Order No.	Pcs. / Pkt.		
STIO-IN 2,5/4 OG	① 3209206	25		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
STIO-IN 2,5/4-PE OG	① 3209109	25		

Accessories <sup>1)</sup>	
Cover, width 2.2 mm	gray

Accessories <sup>1)</sup>		
D-STIO 2,5/4	3209125	50

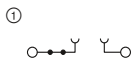
Accessories <sup>1)</sup>		
D-STIO 2,5/4	3209125	50

# Terminal blocks - CLIPLINE complete

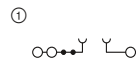
## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, disconnect terminal block, 3 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	60.5	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>2)</sup>	400 <sup>2)</sup>	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
20 <sup>2)</sup> / 2.5				
	16 / -	16 / -	-	

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-TG	3038435	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-ST 2,5-TWIN	3030488	50



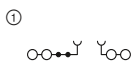
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	72	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400 <sup>2)</sup>	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
20 <sup>2)</sup> / 2.5				
	16 / -	16 / -	-	

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-TG	3038448	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO	3030514	50

### Disconnect and knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	84	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400 <sup>2)</sup>	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
20 <sup>2)</sup> / 2.5				
	16 / -	16 / -	-	

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-TG	3038451	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO-MT	3038590	50

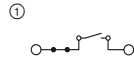


## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Disconnect and knife disconnect terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 170.



20 A, knife disconnect terminal block



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	60.5	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBBSR)				
IEC	UL / CUL	CSA	Ex	
400	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	16 / -	16 / -

**Ordering data**

Type	Order No.	Pcs. / Pkt.
ST 2,5-MT	3036343	50
ST 2,5-MT BU	3037818	50

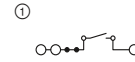
**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-ST 2,5-TWIN	3030488	50

Dimensions	[mm]
Width	5.2
Length	60.5
Height	36.5 (NS 35/7,5)
Max. electrical data	
$I_{max}$ [A]	20
$U_{max}$ [V]	400
Max. bridge current [A]	24 (FBS) / 17.5 (FBBSR)
Rated data	
Rated voltage [V]	400
Nominal current / cross section [A] / [mm <sup>2</sup> ]	20 / 2.5

Description	Color
Terminal block	gray blue

Cover, width 2.2 mm	gray
---------------------	------



20 A, knife disconnect terminal block, 3 connections



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	72	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBBSR)				
IEC	UL / CUL	CSA	Ex	
400	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	16 / -	16 / -

**Ordering data**

Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-MT	3036356	50
ST 2,5-TWIN-MT BU	3037821	50

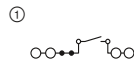
**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO	3030514	50

### Disconnect and knife disconnect terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 170.



20 A, knife disconnect terminal block, 4 connections



**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	84	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBBSR)				
IEC	UL / CUL	CSA	Ex	
400	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	16 / -	16 / -
Cross section range	AWG	28 - 12	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.08 - 4	0.08 - 2.5	0.14 - 2.5 / 0.14 - 2.5

**Ordering data**

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO-MT	3036576	50
ST 2,5-QUATTRO-MT BU	3037834	50

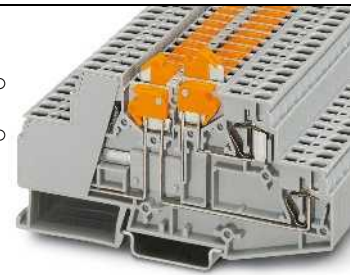
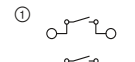
**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO-MT	3038590	50

Dimensions	[mm]
Width	5.2
Length	84
Height	36.5 (NS 35/7,5)
Max. electrical data	
$I_{max}$ [A]	20
$U_{max}$ [V]	400
Max. bridge current [A]	24 (FBS) / 17.5 (FBBSR)
Rated data	
Rated voltage [V]	400
Nominal current / cross section [A] / [mm <sup>2</sup> ]	20 / 2.5
Cross section range	AWG 28 - 12
Connection capacity	
1 conductor	[mm <sup>2</sup> ]

Description	Color
Terminal block	gray blue gray

Cover, width 2.2 mm	gray
---------------------	------



16 A, double-level terminal block with one disconnect knife per level



**Technical data<sup>1)</sup>**

Width	Length	Height		
6.2	107	55 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
16	400	0.2 - 4	26-12	
-				
IEC	UL / CUL	CSA	Ex	
400	300	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 1.5	10 / -	10 / -
Cross section range	AWG	24 - 12	-	-
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve
0.2 - 4	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.14 - 2.5 / 0.14 - 2.5

**Ordering data**

Type	Order No.	Pcs. / Pkt.
ZDMTK 2,5	3005798	50
ZDMTK 2,5 BU	3006784	50
ZDMTK 2,5-TWIN	3005808	50

**Accessories<sup>1)</sup>**

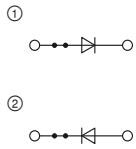
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# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.



0.5 A, diode terminal block, 1N 4007  
(1300 V/0.5 A)



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	48.5	36.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	1 / -	1 / -	

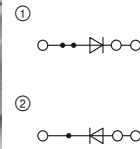
Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5-DIO/L-R	① 3036262	50	
ST 2,5-DIO/R-L	② 3036518	50	

Accessories <sup>1)</sup>			
D-ST 2,5	3030417	50	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block, for conducting direction see circuit diagram	gray gray

Cover, width 2.2 mm	gray
---------------------	------



0.5 A, diode terminal block, 1N 4007  
(1300 V/0.5 A), 3 connections



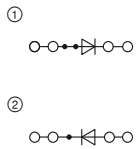
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	60.5	36.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	1 / -	20 / -	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5-TWIN-DIO/L-R	① 3036246	50	
ST 2,5-TWIN-DIO/R-L	② 3036521	50	

Accessories <sup>1)</sup>			
D-ST 2,5-TWIN	3030488	50	

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.



0.5 A, diode terminal block, 1N 4007  
(1300 V/0.5 A), 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	72	36.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	0.5 / 1	20 / -	

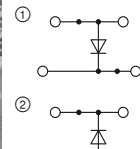
Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5-QUATTRO-DIO/L-R	① 3036233	50	
ST 2,5-QUATTRO-DIO/R-L	② 3036534	50	

Accessories <sup>1)</sup>			
D-ST 2,5-QUATTRO	3030514	50	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block, for conducting direction see circuit diagram	gray gray gray gray gray

Cover, width 2.2 mm	gray
---------------------	------



26 A, double-level diode terminal block,  
1N 4007 (1300 V/0.5 A)



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	67.5	47.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.08 - 4	28-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	22 / 2.5	20 / -	

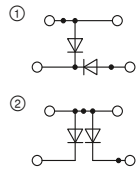
Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-DIO/O-U	① 3031555	50	
STTB 2,5-DIO/U-O	② 3031563	50	
STTB 2,5-DIO/UL-UR	③ 3031571	50	

Accessories <sup>1)</sup>			
D-STTB 2,5	3030459	50	

2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 2) The operating voltage is determined by the LED version.



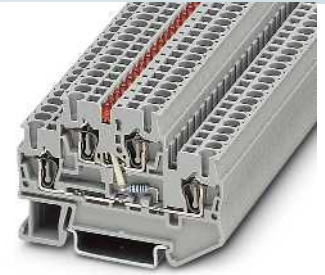
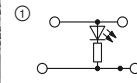
26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	67.5	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	250	0.08 - 4	28-12	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	600	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
22 / 2.5	20 / -	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-2DIO/O-UL/UR-UL ①	3031584	50	
STTB 2,5-2DIO/O-UL/O-UR ②	3031597	50	

Accessories <sup>1)</sup>		
D-STTB 2,5	Order No.	Pcs. / Pkt.
D-STTB 2,5	3030459	50



26 A, double-level terminal block with LED display



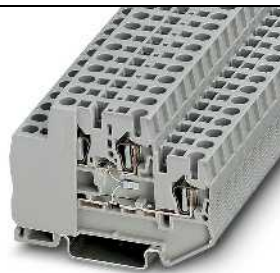
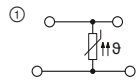
Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	67.5	47.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	500 <sup>2)</sup>	0.08 - 4	28-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500 <sup>2)</sup>	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
22 / 2.5	20 / -	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-LA 24 RD ①	3031607	50	
STTB 2,5-LA 60 RD ①	3031610	50	
STTB 2,5-LA230 ①	3031623	50	

Accessories <sup>1)</sup>		
D-STTB 2,5	Order No.	Pcs. / Pkt.
D-STTB 2,5	3030459	50

Double-level terminal block with temperature sensor

**Notes:**  
 1) For additional accessories and technical data, see page 170.



26 A, double-level terminal block with temperature sensor



Technical data <sup>1)</sup>				
Width	Length	Height		
7.4	67.5	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.08 - 4	-	
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
22 / 2.5	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5-PT100 MD ①	3035564	50	

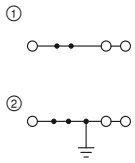
Description	Color
Terminal block, with integrated PT 100 temperature sensor and fitted cover	gray

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm<sup>2</sup>

- Notes:**
- 1) For additional accessories and technical data, see page 170.
  - 2) For screw connection rated data, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



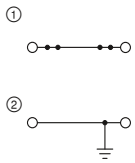
**28 A, feed-through terminal block, 3 connections**



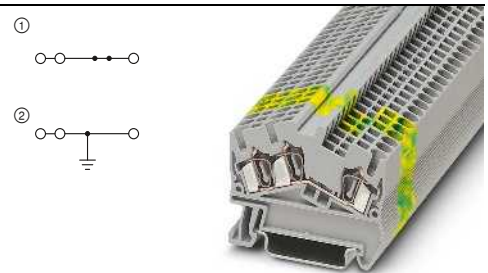
Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Width	Length	Height	
		5.2	65.3	42.8 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		28	800	0.08 - 4	28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data <sup>2)</sup>		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	-
Connection capacity		solid                      stranded                      Ferrule without/with plastic sleeve			
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1
Ordering data					
Description	Color	Type	Order No.	Pcs. / Pkt.	
Terminal block	gray	STU 2,5-TWIN	① 3033016	50	
	blue	STU 2,5-TWIN BU	① 3033029	50	
Ground terminal	green-yellow	STU 2,5-TWIN-PE	② 3033032	50	
Accessories <sup>1)</sup>					
Cover, width 2.2 mm	gray	D-STU 2,5-TWIN	3033045	50	

### Desk-design terminal blocks

- Notes:**
- 1) For additional accessories and technical data, see page 170.
  - For information on installation and using accessories for Ex applications, see page 602.



**31 A, feed-through terminal block**



**28 A, feed-through terminal block, 3 connections**



Ex: Ex I Ex II Ex III PTB 07ATEX1027U / IECEx PTB 07.0024U

Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Width	Length	Height	
		5.2	50.8	43 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		31	800	0.08 - 4	28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	20.5 / 2.5
Ordering data					
Description	Color	Type	Order No.	Pcs. / Pkt.	
Terminal block	gray	STS 2,5	① 3036398	50	
	blue	STS 2,5 BU	① 3036408	50	
Ground terminal	green-yellow	STS 2,5-PE	② 3036411	50	
Accessories <sup>1)</sup>					
Cover, width 2.2 mm	gray	D-STS 2,5	3031762	50	



Ex: Ex I Ex II Ex III PTB 07ATEX1027U / IECEx PTB 07.0024U

Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Width	Length	Height	
		5.2	51	43 (NS 35/7,5)	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		28	800	0.08 - 4	28-12
Max. bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	21 / 2.5
Ordering data					
Description	Color	Type	Order No.	Pcs. / Pkt.	
Terminal block	gray	STS 2,5-TWIN	① 3031720	50	
	blue	STS 2,5-TWIN BU	① 3036275	50	
Ground terminal	green-yellow	STS 2,5-TWIN-PE	② 3031733	50	
Accessories <sup>1)</sup>					
Cover, width 2.2 mm	gray	D-STS 2,5	3031762	50	

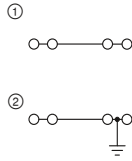
## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Desk-design terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 170.

For information on installation and using accessories for Ex applications, see page 602.



**28 A, feed-through terminal block, 4 connections**



Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

#### Technical data<sup>1)</sup>

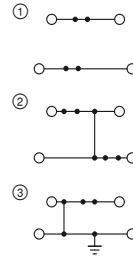
Width	Length	Height		
5.2	51	43 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
28	800	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 / 2.5	20 / - 20.5 / 2.5			

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STS 2,5-QUATTRO <sup>①</sup>	3031746	50
STS 2,5-QUATTRO BU <sup>①</sup>	3036288	50
STS 2,5-QUATTRO-PE <sup>②</sup>	3031759	50

#### Accessories<sup>1)</sup>

D-ST5 2,5	3031762	50
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**26 A, double-level terminal block**



Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	78	55 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	500	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	440	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
22 / 2.5	20 / - 19.5 / 2.5			

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STTBS 2,5 <sup>①</sup>	3038464	50
STTBS 2,5 BU <sup>①</sup>	3038493	50
STTBS 2,5-PV <sup>②</sup>	3038477	50
STTBS 2,5-PV BU <sup>②</sup>	3035289	50
STTBS 2,5-PE <sup>③</sup>	3038480	50

#### Accessories<sup>1)</sup>

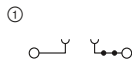
D-STTBS 2,5	3038503	50
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### Desk-design disconnect and knife disconnect terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 170.

2) Current and voltage are determined by the plug used.



**20 A, disconnect terminal block**



#### Technical data<sup>1)</sup>

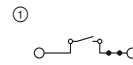
Width	Length	Height		
5.2	50.8	43 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>2)</sup>	400 <sup>2)</sup>	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400 <sup>2)</sup>	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
20 <sup>2)</sup> / 2.5	16 / - 16 / -			

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STS 2,5-TG <sup>①</sup>	3037009	50

#### Accessories<sup>1)</sup>

D-ST5 2,5	3031762	50
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**20 A, knife disconnect terminal block**



#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	50.8	43 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	400	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
20 / 2.5	16 / - 16 / -			

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STS 2,5-MT <sup>①</sup>	3036990	50
STS 2,5-MT BU <sup>①</sup>	3035425	50

#### Accessories<sup>1)</sup>

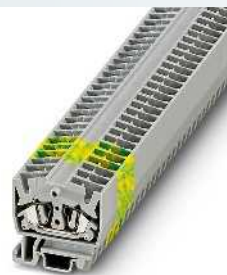
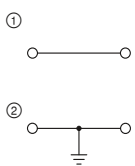
D-ST5 2,5	3031762	50
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# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



30 A, feed-through terminal block



Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	32	30 (NS 15)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
Max. bridge current [A] -				
Rated data				
Rated voltage [V]	800	UL / CUL	600	690
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSB 2,5	3244012	50	①
MSB 2,5 BU	3244025	50	①
MSB 2,5-PE	3244151	50	②

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-MZB 1,5	3024177	50	

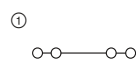
Dimensions		
Width	Length	Height
5.2	32	30 (NS 15)
Max. electrical data		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]
30	800	0.08 - 4
Max. bridge current [A] -		
Rated data		
Rated voltage [V]	800	600
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -
General data		
Stripping length [mm]	8	

Description	No. of pos.	Color
Terminal block		gray
		blue
Ground terminal		green-yellow

Cover, width 4 mm	gray
Insertion bridge, fully insulated	gray
	2



30 A, feed-through terminal block, 4 connections



Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

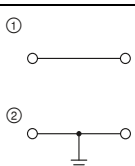
Technical data <sup>1)</sup>				
Width	Length	Height		
10.4	32	30 (NS 15)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
Max. bridge current [A] -				
Rated data				
Rated voltage [V]	800	UL / CUL	600	690
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSDB 2,5	3244216	50	①
MSDB 2,5 BU	3244229	50	①

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-MZB 1,5	3024177	50	
ESB 2-MZDB	3029703	10	24 A

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



30 A, feed-through terminal block



Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	42.7	32 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
Max. bridge current [A] -				
Rated data				
Rated voltage [V]	800	UL / CUL	600	690
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSB 2,5-NS 35	3244119	50	①
MSB 2,5-NS 35 BU	3244122	50	①
MSB 2,5-NS 35-PE	3244148	50	②

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-MZB 1,5	3024177	50	

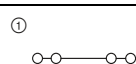
Dimensions		
Width	Length	Height
5.2	42.7	32 (NS 35/7,5)
Max. electrical data		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]
30	800	0.08 - 4
Max. bridge current [A] -		
Rated data		
Rated voltage [V]	800	600
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -
General data		
Stripping length [mm]	8	

Description	No. of pos.	Color
Terminal block		gray
		blue
Ground terminal		green-yellow

Cover, width 4 mm	gray
Insertion bridge, fully insulated	gray
	2



30 A, feed-through terminal block, 4 connections



Ex: PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data <sup>1)</sup>				
Width	Length	Height		
10.4	42.7	32 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
Max. bridge current [A] -				
Rated data				
Rated voltage [V]	800	UL / CUL	600	690
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSDB 2,5-NS 35	3244300	50	①
MSDB 2,5-NS 35 BU	3244313	50	①

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-MZB 1,5	3024177	50	
ESB 2-MZDB	3029703	10	24 A

### Feed-through and multi-conductor terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



**30 A, feed-through terminal block, for grouping**



Ex:   
 PTB 08ATEX1075U / IECEx PTB 08.0048U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	32	22		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 / 2.5	20 / -	20 / -	22 / 2.5	

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>General data</b>	
Stripping length	[mm]

#### Ordering data

Type	Order No.	Pcs. / Pkt.
MSB 2,5-M	3244067	50
MSB 2,5-M BU	3244070	50

#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-MZB 1,5	3024177	50

Description	Color
<b>Terminal block</b>	gray blue
<b>Cover, width 4 mm</b>	gray



**30 A, flange terminal block, for grouping**



Ex:   
 PTB 08ATEX1075U / IECEx PTB 08.0048U

#### Technical data<sup>1)</sup>

Width	Length	Height		
5.2	32	22		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 / 2.5	20 / -	20 / -	22 / 2.5	

#### Ordering data

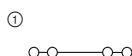
Type	Order No.	Pcs. / Pkt.
MSB 2,5-F	3244041	50
MSB 2,5-F BU	3244054	50

#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-MZB 1,5-F	3024180	50

### Feed-through and multi-conductor terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



**30 A, feed-through terminal block, for grouping, 4 connections**



Ex:   
 PTB 08ATEX1075U / IECEx PTB 08.0048U

#### Technical data<sup>1)</sup>

Width	Length	Height		
10.4	32	22		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 / 2.5	20 / -	20 / -	22 / 2.5	

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>General data</b>	
Stripping length	[mm]

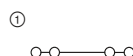
#### Ordering data

Type	Order No.	Pcs. / Pkt.
MSDB 2,5-M	3244258	50
MSDB 2,5-M BU	3244261	50

#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-MZB 1,5	3024177	50

Description	No. of pos.	Color
<b>Terminal block</b>		gray blue
<b>Cover, width 4 mm</b>		gray
<b>Insertion bridge, fully insulated</b>	2	gray



**30 A, flange terminal block, 4 connections, for grouping**



Ex:   
 PTB 08ATEX1075U / IECEx PTB 08.0048U

#### Technical data<sup>1)</sup>

Width	Length	Height		
10.4	32	22		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	800	0.08 - 4	28-12	
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 / 2.5	20 / -	20 / -	22 / 2.5	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
MSDB 2,5-F	3244232	50
MSDB 2,5-F BU	3244245	50

#### Accessories<sup>1)</sup>

Type	Order No.	Pcs. / Pkt.
D-MZB 1,5-F	3024180	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through and multi-conductor terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



**30 A, feed-through terminal block, with securing pin**



Ex:   
 PTB 08ATEX1075U / IECEx PTB 08.0048U

#### Technical data<sup>1)</sup>

<b>Dimensions</b>		Width	Length	Height
	[mm]	5.2	32	22
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
		30	800	0.08 - 4 28-12
Max. bridge current	[A]	-		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	800	600	600 550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / - 22 / 2.5
<b>General data</b>		Stripping length [mm]		
		8		

#### Ordering data

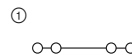
Description	No. of pos.	Color
<b>Terminal block</b> , for direct mounting		gray blue

Type	Order No.	Pcs. / Pkt.
<b>MSB 2,5-RZ</b>	3244164	50
<b>MSB 2,5-RZ BU</b>	3244177	50

#### Accessories<sup>1)</sup>

<b>Cover</b> , width 4 mm	gray
<b>Insertion bridge</b> , fully insulated	2 gray

<b>D-MZB 1,5</b>	3024177	50
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**30 A, feed-through terminal block, 4 connections, with securing pin**



Ex:   
 PTB 08ATEX1075U / IECEx PTB 08.0048U

#### Technical data<sup>1)</sup>

<b>Dimensions</b>		Width	Length	Height
	[mm]	10.4	32	22
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
		30	800	0.08 - 4 28-12
Max. bridge current	[A]	24		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	800	600	600 550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / - 22 / 2.5
<b>General data</b>		Stripping length [mm]		
		8		

#### Ordering data

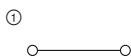
Type	Order No.	Pcs. / Pkt.
<b>MSDB 2,5-RZ</b>	3244339	50
<b>MSDB 2,5-RZ BU</b>	3244342	50

#### Accessories<sup>1)</sup>

<b>D-MZB 1,5</b>	3024177	50
<b>ESB 2-MZDB</b>	24 A 3029703	10

### Feed-through and multi-conductor terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 170.



**30 A, feed-through terminal block, lateral conductor entry**



<b>Dimensions</b>		Width	Length	Height
	[mm]	5.2	32	30 (NS 15)
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
		30	800	0.08 - 4 28-12
Max. bridge current	[A]	-		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	800	600	600 -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / - -
<b>General data</b>		Stripping length [mm]		
		8		

#### Ordering data

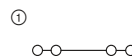
Description	No. of pos.	Color
<b>Terminal block</b>		gray blue

Type	Order No.	Pcs. / Pkt.
<b>MSBV 2,5</b>	3249017	50
<b>MSBV 2,5 BU</b>	3249020	50

#### Accessories<sup>1)</sup>

<b>Cover</b> , width 4 mm	gray
<b>Insertion bridge</b> , fully insulated	2 gray

<b>D-MSBV 2,5</b>	3251018	50
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**30 A, feed-through terminal block, lateral conductor entry, 4 connections**



<b>Dimensions</b>		Width	Length	Height
	[mm]	10.4	32	30 (NS 15)
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
		30	800	0.08 - 4 28-12
Max. bridge current	[A]	24		
<b>Rated data</b>		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	800	600	600 -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / - -
<b>General data</b>		Stripping length [mm]		
		8		

#### Ordering data

Type	Order No.	Pcs. / Pkt.
<b>MSDBV 2,5</b>	3249143	50
<b>MSDBV 2,5 BU</b>	3249156	50

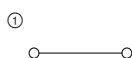
#### Accessories<sup>1)</sup>

<b>D-MSBV 2,5</b>	3251018	50
<b>ESB 2-MZDB</b>	24 A 3029703	10



**Feed-through and multi-conductor terminal blocks**

**Notes:**  
 1) For additional accessories and technical data, see page 170.



30 A, feed-through terminal block, lateral conductor entry

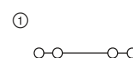


Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	42.7	32 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	-			
[A]				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	800	600	600	-
Nominal current / cross section	24 / 2.5 [A] / [mm <sup>2</sup> ]			
General data	Stripping length [mm]			
	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSBV 2,5-NS 35	3249088	50	
MSBV 2,5-NS 35 BU	3249091	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-MSBV 2,5	3251018	50

Description	No. of pos.	Color
Terminal block		gray blue
Cover, width 4 mm		gray
Insertion bridge, fully insulated	2	gray



30 A, feed-through terminal block, lateral conductor entry, 4 connections



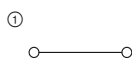
Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	10.4	42.7	32 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	24			
[A]				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	800	600	600	-
Nominal current / cross section	24 / 2.5 [A] / [mm <sup>2</sup> ]			
General data	Stripping length [mm]			
	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSDBV 2,5-NS 35	3249211	50	
MSDBV 2,5-NS 35 BU	3249224	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-MSBV 2,5	3251018	50
ESB 2-MZDB	3029703	10

**Feed-through and multi-conductor terminal blocks**

**Notes:**  
 1) For additional accessories and technical data, see page 170.



30 A, feed-through terminal block, for grouping

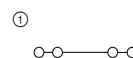


Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	5.2	32	22	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	-			
[A]				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	800	600	600	-
Nominal current / cross section	24 / 2.5 [A] / [mm <sup>2</sup> ]			
General data	Stripping length [mm]			
	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSBV 2,5-M	3249062	50	
MSBV 2,5-M BU	3249075	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-MSBV 2,5	3251018	50

Description	No. of pos.	Color
Terminal block		gray blue
Cover, width 4 mm		gray
Insertion bridge, fully insulated	2	gray



30 A, feed-through terminal block, for grouping, 4 connections



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	10.4	32	22	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	30	800	0.08 - 4	28-12
Max. bridge current	24			
[A]				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	800	600	600	-
Nominal current / cross section	24 / 2.5 [A] / [mm <sup>2</sup> ]			
General data	Stripping length [mm]			
	8			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
MSDBV 2,5-M	3249198	50	
MSDBV 2,5-M BU	3249208	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-MSBV 2,5	3251018	50
ESB 2-MZDB	3029703	10

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### General technical data for 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm <sup>2</sup> ]	4			
Cross section range	AWG	28 - 10			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1
<b>General data</b>					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Inflammability class according to UL 94		VO			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

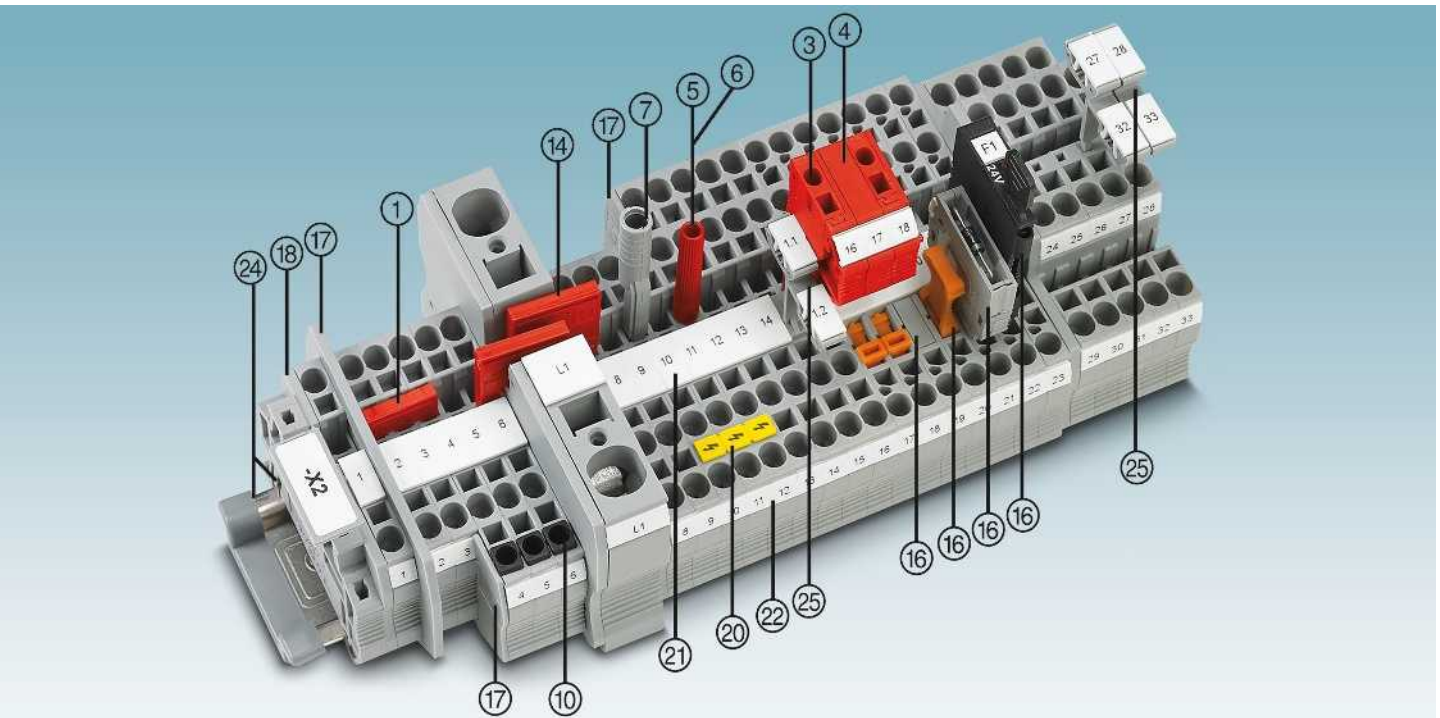


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks



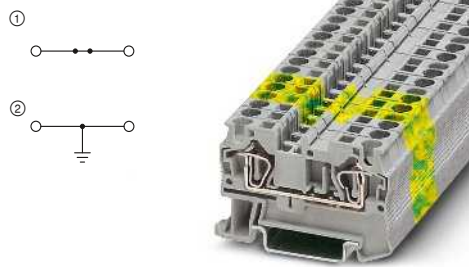
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
20	red	FBS 20-6	3030365	10				
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve, 0.25 - 0.5 mm <sup>2</sup> 0.75 - 1 mm <sup>2</sup>		gray	ISH 4/0,5	3002885	50			
		black	ISH 4/1,0	3002898	50			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Warning labels	For WS ..., see page 353.
⑳ Center groove marking	UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.
㉑ Center and lateral groove marking	UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
㉒ DIN rails and end brackets	See Catalog 5.
㉓ Marker carrier	For STP ..., see page 352.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

## 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 186.  
 For information on installation and using accessories for Ex applications, see page 602.



40 A, feed-through terminal block

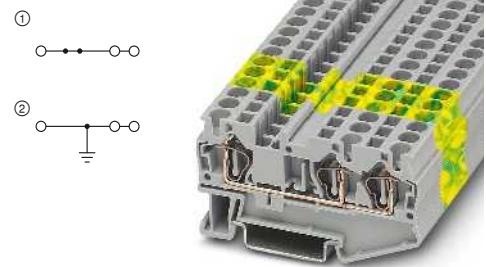
Ex: 
  
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	56	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
40	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	30 / 4

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4	3031364	50	①
ST 4 BU	3031377	50	①
ST 4-PE	3031380	50	②

Accessories <sup>1)</sup>		
D-ST 4	3030420	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



40 A, feed-through terminal block, 3 connections

Ex: 
  
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

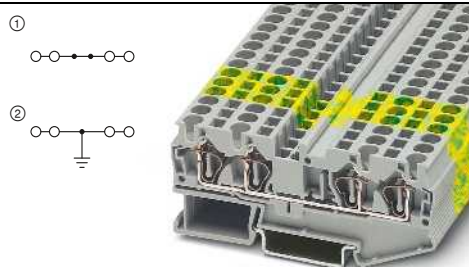
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	71.5	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
40	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	30 / 4

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-TWIN	3031393	50	①
ST 4-TWIN BU	3031403	50	①
ST 4-TWIN-PE	3031416	50	②

Accessories <sup>1)</sup>		
D-ST 4-TWIN	3030491	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 186.  
 For information on installation and using accessories for Ex applications, see page 602.



40 A, feed-through terminal block, 4 connections

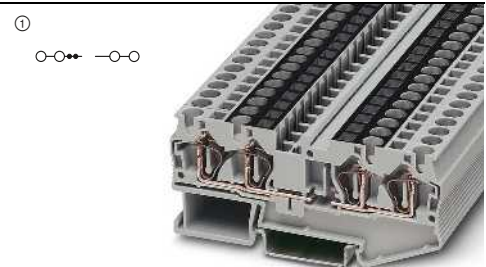
Ex: 
  
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	87	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
40	800	0.08 - 6	28-10	
32 (FBS)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	28.5 / 4

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-QUATTRO	3031445	50	①
ST 4-QUATTRO BU	3031458	50	①
ST 4-QUATTRO-PE	3031461	50	②

Accessories <sup>1)</sup>		
D-ST 4-QUATTRO	3030527	50

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
Terminal block	gray
	blue
	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



37 A, feed-through terminal block, 4 connections, with interrupted current bar

Ex:

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	87	36.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
37	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	28 / 4	30 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-QUATTRO-U	3038639	50	①

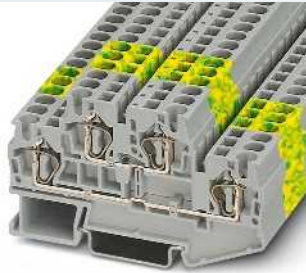
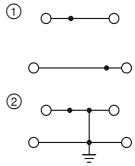
Accessories <sup>1)</sup>		
D-ST 4-QUATTRO	3030527	50

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 186.  
 For information on installation and using accessories for Ex applications, see page 602.



32 A, double-level terminal block



Ex:   
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

#### Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Width	Length	Height	
6.2	83.5	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.08 - 6	28-10
26 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	440
30 / 4	30 / -	30 / -	26.5 / 4

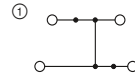
#### Ordering data

Description	Color
<b>Terminal block</b>	gray blue gray
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
STTB 4	① 3031429	50
STTB 4 BU	① 3031432	50
STTB 4-PE	② 3036039	50

#### Accessories<sup>1)</sup>

<b>D-STTB 4</b>	3030462	50
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32 A, double-level terminal block, with equipotential bonding



Ex:   
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

#### Technical data<sup>1)</sup>

Width	Length	Height	
6.2	83.5	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.08 - 6	28-10
22 (FBS) / 22 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	440
30 / 4	30 / -	30 / -	26.5 / 4

#### Ordering data

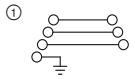
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
STTB 4-PV	① 3031542	50

#### Accessories<sup>1)</sup>

<b>D-STTB 4</b>	3030462	50
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### Multi-level terminal block

**Notes:**  
 1) For additional accessories and technical data, see page 186.



32 A, four-level terminal block with PE foot



#### Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Width	Length	Height	
6.2	101	83.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	0.08 - 6	28-10
IEC	UL / CUL	CSA	Ex
800	600	600	-
28 / 4	30 / -	30 / -	-

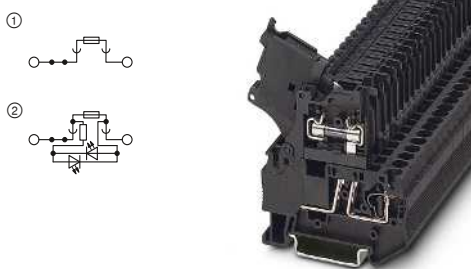
#### Ordering data

Description	Color
<b>Terminal block</b>	gray

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
ST 4-PE/3L	① 3038338	50

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

<b>Notes:</b>
1) For additional accessories and technical data, see page 186.
2) If the fuse is faulty, the downstream circuit is not off load.
3) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.
For the derating curve, see phoenixcontact.net/products

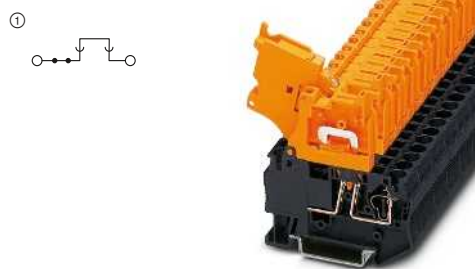


6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	61.5	62.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
6.3 <sup>3)</sup>	500 <sup>3)</sup>	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>3)</sup>	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
6.3 <sup>3)</sup> / 1	10 / -	6.3 / -		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 4-HESI (5X20)	① 3036369	50		
ST 4-HESILED 24 (5X20)	② 3036547	50		
ST 4-HESILED 60 (5X20)	② 3036550	50		
ST 4-HESILA 250 (5X20)	② 3036563	50		



20 A, lever-type disconnect terminal block, same shape



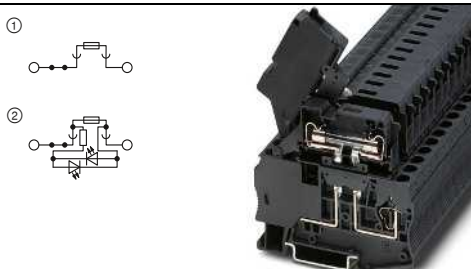
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	61.5	62.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.08 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
20 / 2.5	-	-		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 4-HEDI	① 3035140	50		

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
Description	Color
Fuse terminal block	black
With LED for 12 – 30 V DC, 0.31 – 0.95 mA <sup>2)</sup>	black
for 30 – 60 V AC/DC, 0.40 – 0.86 mA <sup>2)</sup>	black
110 – 250 V AC/DC, 0.41 – 0.96 mA <sup>2)</sup>	black
Disconnect terminal block	black/orange

Fuse terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 186.
2) If the fuse is faulty, the downstream circuit is not off load.
3) For derating curve, visit phoenixcontact.net/products
4) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.
The recommended continuous load capacity of the fuse-links according to DIN 72581/Part 3 is max. 80 percent of their nominal current (at an ambient temperature of 23°C)

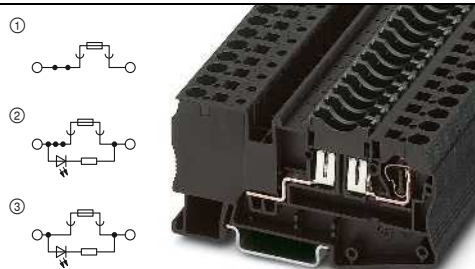


10 A, lever-type fuse terminal block, for 6.3 x 32 mm cartridge fuses



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	76.5	69 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10 <sup>4)</sup>	400	0.08 - 6	28-10	
32 (FBS)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
10 <sup>4)</sup> / 1.5	15 / -	10 / -		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 4-HESI (6,3X32)	① 3036385	50		
ST 4-HESILED 24 (6,3X32)	② 3038765	50		
ST 4-HESILA 250 (6,3X32)	② 3038778	50		



30 A, fuse terminal block for type C flat-type fuses



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	86.5	43.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>3)</sup>	400 <sup>4)</sup>	0.08 - 6	28-10	
41 (FBS)				
IEC	UL / CUL	CSA	Ex	
400 <sup>4)</sup>	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
30 <sup>3)</sup> / 4	30 / -	10 / -		

Ordering data				
Type	Order No.	Pcs. / Pkt.		
ST 4-FSI/C	① 3036372	50		
ST 4-FSI/C-LED 12	② 3036495	50		
ST 4-FSI/C-LED 24	③ 3036505	50		

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
Description	Color
Fuse terminal block	black
With LED for 12 – 30 V AC/DC, 0.31 – 0.95 mA <sup>2)</sup>	black
110 – 250 V AC/DC, 0.41 – 0.96 mA <sup>2)</sup>	black
Fuse terminal block, for flat-type fuses	black
With light indicator for 12 V DC, 1.7 mA <sup>2)</sup>	black
With light indicator for 24 V DC, 1.9 mA <sup>2)</sup>	black

# Terminal blocks - CLIPLINE complete

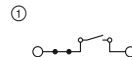
## 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Disconnect and knife disconnect terminal blocks

- Notes:**
- 1) For additional accessories and technical data, see page 186.
  - 2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, knife disconnect terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	61.5	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>2)</sup>	500 <sup>2)</sup>	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>2)</sup>	300	300	-	
20 <sup>2)</sup> / 2.5	10 / -	16 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-TG	3038367	50	

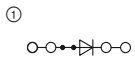


Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	61.5	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
20 <sup>2)</sup> / 2.5	10 / -	16 / -	-	

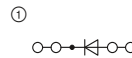
Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-MT	3038875	50	

### Diode terminal blocks

- Notes:**
- 1) For additional accessories and technical data, see page 186.



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	87	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
1.5	800	0.08 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
1.5 / 1	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-QUATTRO-DIO 1N 5408/L-R	3037782	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-ST 4-QUATTRO	3030527	50	



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	87	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
1.5	800	0.08 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
1.5 / 1	-	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-QUATTRO-DIO 1N 5408/R-L	3037795	50	

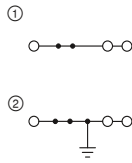
Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-ST 4-QUATTRO	3030527	50	

## 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Hybrid terminal blocks with screw connection on one side, 4 (6) mm<sup>2</sup>

**Notes:**

- 1) For additional accessories and technical data, see page 186.
- 2) For screw connection rated data, see page 40.



**38 A, feed-through terminal block, 3 connections**



**Technical data<sup>1)</sup>**

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data<sup>2)</sup></b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG

Width	Length	Height		
6.2	74.4	42.8 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
32 / 4	30 / -	30 / -	-	
26 - 10	-	-	-	

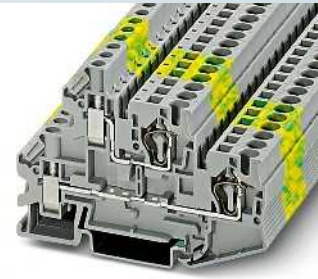
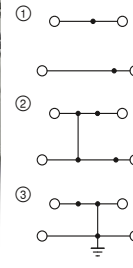
**Ordering data**

Description	Color
<b>Terminal block</b>	gray blue
With potential distribution	gray
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
STU 4-TWIN	① 3033058	50
STU 4-TWIN BU	① 3033061	50
STU 4-TWIN-PE	② 3033074	50

**Accessories<sup>1)</sup>**

<b>D-ST 4</b>	3030420	50
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**32 A, double-level terminal block**



**Technical data<sup>1)</sup>**

Width	Length	Height		
6.2	81	55.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.08 - 6	-	
22 (FBS) / 22 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
30 / 4	-	-	-	
28 - 10	-	-	-	

**Ordering data**

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
STTBU 4	① 3033155	50
STTBU 4 BU	① 3033168	50
STTBU 4-PV	② 3033184	50
STTBU 4-PE	③ 3033171	50

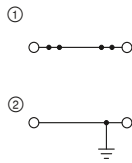
**Accessories<sup>1)</sup>**

<b>D-ST 4-TWIN</b>	3030491	50
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### Desk-design terminal blocks

**Notes:**

- 1) For additional accessories and technical data, see page 186.
- For information on installation and using accessories for Ex applications, see page 602.



**38 A, feed-through terminal block**



Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

**Technical data<sup>1)</sup>**

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Width	Length	Height		
6.2	64.5	43 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
32 / 4	30 / -	30 / -	28.5 / 4	

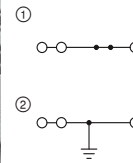
**Ordering data**

Description	Color
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
STS 4	① 3036424	50
STS 4 BU	① 3036437	50
STS 4-PE	② 3036440	50

**Accessories<sup>1)</sup>**

<b>D-STs 4</b>	3031704	50
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**38 A, feed-through terminal block, 3 connections**



Ex: PTB 07ATEX1027U / IECEx PTB 07.0024U

**Technical data<sup>1)</sup>**

Width	Length	Height		
6.2	64.5	43 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
32 / 4	30 / -	30 / -	30 / 4	

**Ordering data**

<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
STS 4-TWIN	① 3031665	50
STS 4-TWIN BU	① 3036291	50
STS 4-TWIN-PE	② 3031678	50

**Accessories<sup>1)</sup>**

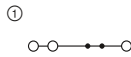
<b>D-STs 4</b>	3031704	50
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# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Desk-design terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 186.  
 For information on installation and using accessories for Ex applications, see page 602.



**38 A, feed-through terminal block, 3 connections**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	64.6	43 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
32 / 4	30 / -			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STS 4-TWIN/L	3036592	50	
STS 4-TWIN/L BU	3036589	50	

Accessories <sup>1)</sup>			
D-STIS 4-TWIN/L	Order No.	Pcs. / Pkt.	
D-STIS 4-TWIN/L	3036770	50	

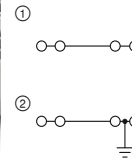
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



**38 A, feed-through terminal block, 4 connections**



Ex: Ex  
 PTB 07ATEX1027U / IECEx PTB 07.0024U

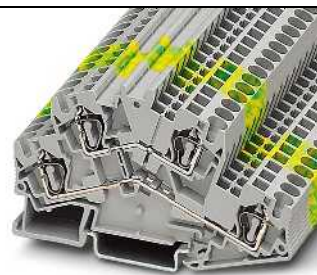
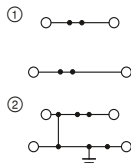
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	64.5	43 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
38	800	0.08 - 6	28-10	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
32 / 4	30 / -			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STS 4-QUATTRO	3031681	50	
STS 4-QUATTRO BU	3036301	50	
STS 4-QUATTRO-PE	3031694	50	

Accessories <sup>1)</sup>			
D-STIS 4	Order No.	Pcs. / Pkt.	
D-STIS 4	3031704	50	

### Desk-design terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 186.



**34 A, double-level terminal block**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	92.4	55 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
34	500	0.08 - 6	28-10	
28 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
28 / 4	30 / -			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTBS 4	3035056	50	
STTBS 4 BU	3035069	50	
STTBS 4-PE	3035072	50	

Accessories <sup>1)</sup>			
D-STTBS 4	Order No.	Pcs. / Pkt.	
D-STTBS 4	3035098	50	

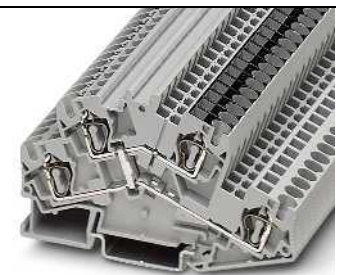
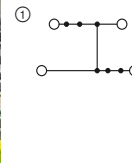
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	Color
Cover, width 2.2 mm	gray



**34 A, double-level terminal block, with equipotential bonding**



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	92.4	55 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
34	500	0.08 - 6	28-10	
28 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
28 / 4	30 / -			

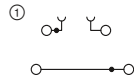
Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTBS 4-PV	3035085	50	

Accessories <sup>1)</sup>			
D-STTBS 4	Order No.	Pcs. / Pkt.	
D-STTBS 4	3035098	50	

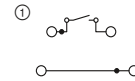


**Desk-design disconnect and knife disconnect terminal blocks**

<b>Notes:</b>
1) For additional accessories and technical data, see page 186.
2) Current and voltage are determined by the plug used.
3) Lower level



4 (6) mm<sup>2</sup>, 34 A, double-level terminal block with disconnect zone



4 (6) mm<sup>2</sup>, 34 A, double-level knife disconnect terminal block



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	6.2	92.4	55 (NS 35/7,5)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	34 <sup>3)</sup>	500 <sup>2)</sup>	0.08 - 6	28-10
Max. bridge current	28 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500 <sup>2)</sup>	600	-	-
Nominal current / cross section	28 <sup>2)</sup> / 2.5	16 / -	-	-
Nominal current / cross section	20 (disconnect level)			

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Disconnect terminal block	STTBS 4-TG	3035483	50
Knife disconnect terminal block			

Accessories <sup>1)</sup>			
Description	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-STTBS 4-MT	3035548	50



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	6.2	92.4	55 (NS 35/7,5)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	34 <sup>3)</sup>	500	0.08 - 6	28-10
Max. bridge current	28 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-	-
Nominal current / cross section	28 <sup>2)</sup> / 2.5	16 / -	-	-
Nominal current / cross section	20 (disconnect level)			

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Disconnect terminal block	STTBS 4-MT	3035470	50
Knife disconnect terminal block	STTBS 4-MT BU	3035522	50

Accessories <sup>1)</sup>			
Description	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-STTBS 4-MT	3035548	50

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### General technical data for 6 mm<sup>2</sup> ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm <sup>2</sup> ]	6			
Cross section range	AWG	24 - 8			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1.5
<b>General data</b>					
Stripping length	[mm]	12			
Insulating material		PA			
Inflammability class according to UL 94		VO			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

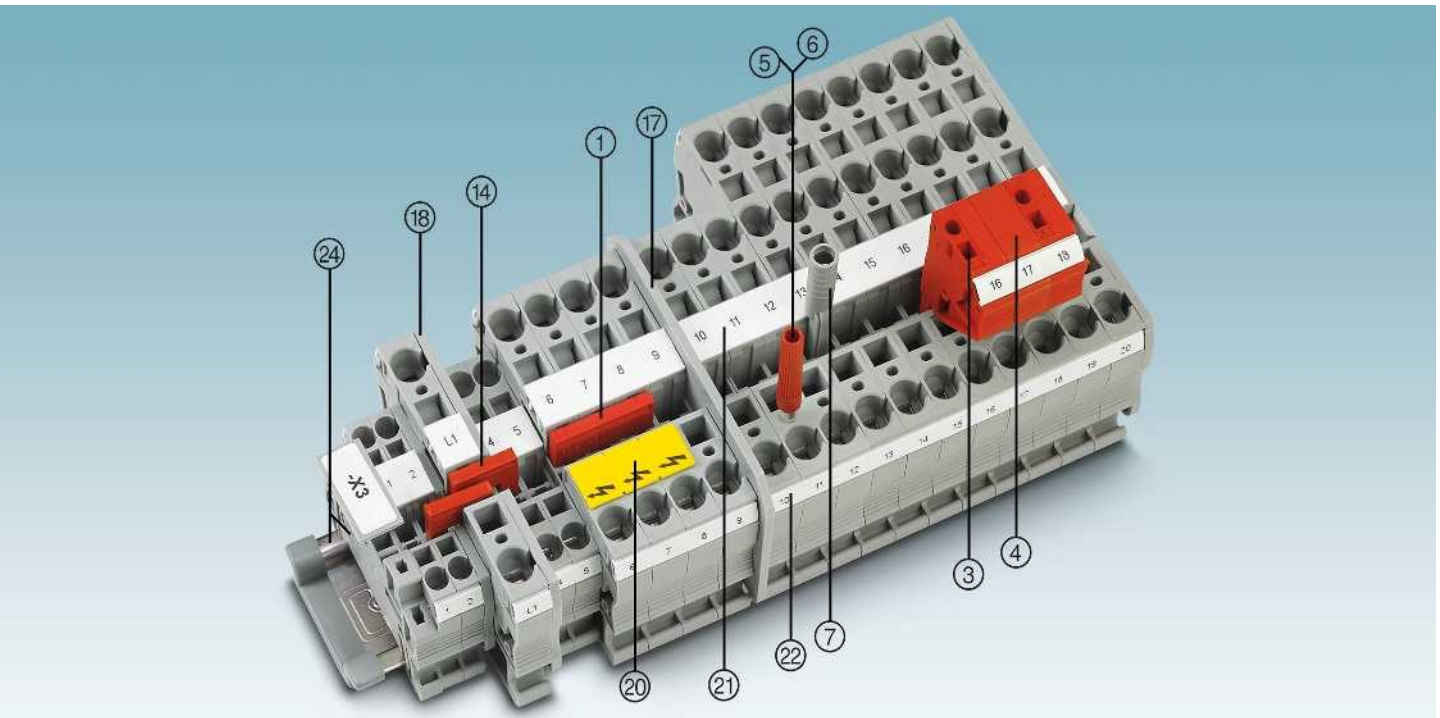


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 6 mm<sup>2</sup> ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red					FBSR 16-8	3033816
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SZF 2-0,8X4,0	1204520	10			

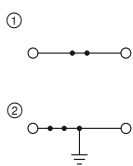
⑭ Reducing bridge
⑰ Partition plates/end cover segments
⑱ Cover
⑳ Warning labels
㉑ Center groove marking
㉒ Center and lateral groove marking
㉓ DIN rails and end brackets
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
For WS ..., see page 353.
UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.
UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.
See Catalog 5.
Note: additional or deviating accessories are documented for the product.

6 mm<sup>2</sup> ST... spring-cage connection terminal blocks

Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 194.  
 For information on installation and using accessories for Ex applications, see page 602.



52 A, feed-through terminal block



Ex:   
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data<sup>1)</sup>

Width	Length	Height		
8.2	69.5	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
52	1000	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
41 / 6	50 / - 50 / - 36.5 / 6			

Dimensions	[mm]
Width	8.2
Length	69.5
Height	43.5 (NS 35/7,5)
Max. electrical data	
I <sub>max.</sub> [A]	52
U <sub>max.</sub> [V]	1000
Max. bridge current	41 [A]
Rated data	
Rated voltage	1000 [V]
Nominal current / cross section	41 / 6 [A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
Ground terminal	green-yellow

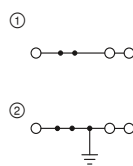
Cover, width 2.2 mm	gray
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Ordering data

Type	Order No.	Pcs. / Pkt.
ST 6	3031487	50
ST 6 BU	3031490	50
ST 6-PE	3031500	50

Accessories<sup>1)</sup>

D-ST 6	3030433	50
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52 A, feed-through terminal block, 3 connections



Ex:   
 KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data<sup>1)</sup>

Width	Length	Height		
8.2	90.5	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
52	1000	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
41 / 6	50 / - 50 / - 36 / 6			

Description	Color
Terminal block	gray
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
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Ordering data

Type	Order No.	Pcs. / Pkt.
ST 6-TWIN	3036466	50
ST 6-TWIN BU	3036479	50
ST 6-TWIN-PE	3036482	50

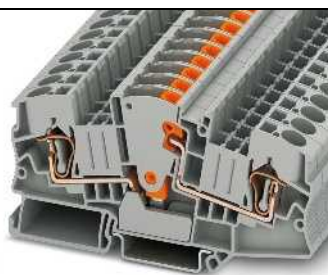
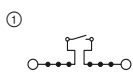
Accessories<sup>1)</sup>

D-ST 6-TWIN	3036767	50
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Test disconnect terminal blocks

– Rated voltage of 1000 V

**Notes:**  
 1) For additional accessories and technical data, see page 194.



30 A, 1000 V, disconnect terminal block



Technical data<sup>1)</sup>

Width	Length	Height		
8.2	100.8	49.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30	1000	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
30 / 6	30 / - 30			

Dimensions	[mm]
Width	8.2
Length	100.8
Height	49.6 (NS 35/7,5)
Max. electrical data	
I <sub>max.</sub> [A]	30
U <sub>max.</sub> [V]	1000
Max. bridge current	41 [A]
Rated data	
Rated voltage	1000 [V]
Nominal current / cross section	30 / 6 [A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue

Cover, width 2.2 mm	gray
---------------------	------

Ordering data

Type	Order No.	Pcs. / Pkt.
STME 6 HV	3035693	50
STME 6 HV BU	3035694	50

Accessories<sup>1)</sup>

D-DTME 6	3034426	10
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# Terminal blocks - CLIPLINE complete

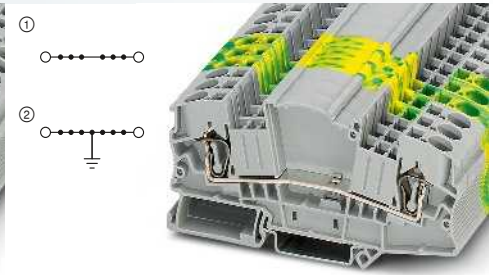
## 6 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Test disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 194.



30 A, test disconnect terminal block



41 A, feed-through terminal block, same shape



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	100.8	49.6 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	500	0.2 - 10	24-8
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
30 / 6	30 / -	30	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
STME 6	3035700	50

Accessories <sup>1)</sup>		
Description	Order No.	Pcs. / Pkt.
D-DTME 6	3034426	10



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	100.8	49.6 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	500	0.2 - 10	24-8
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]			
41 / 6	30 / -	30	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
STMED 6	3035713	50
STMED 6-PE	3035726	50

Accessories <sup>1)</sup>		
Description	Order No.	Pcs. / Pkt.
D-DTME 6	3034426	10

Dimensions	
Width	[mm]
8.2	
Max. electrical data	
Max. bridge current	[A]
30	
Rated data	
Rated voltage	[V]
500	
Nominal current / cross section	
30 / 6	

Description	Color
Test disconnect terminal block	gray
Feed-through terminal block	gray
Ground terminal	green-yellow

Description	Color
Cover, width 2.2 mm	gray

### Supplementary accessories for STME 6 test disconnect terminal blocks



- Current transformer measuring circuit can be created using just two STME 6
- Less space required compared to creating circuits with slide-type terminal blocks
- ① FBS... jumper for cross connection
- ② 4 mm Ø PAI-4-FIX... test plug adapter
- ③ S-ME 6 switching lock
- ④ SB-ME... switching jumper
- ⑤ C-ME 6/2 connection bridge

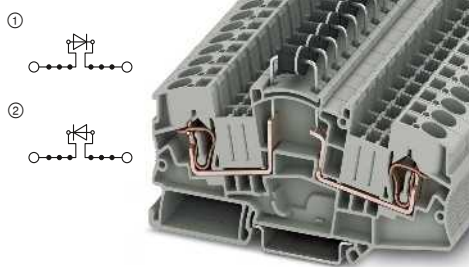
Ordering data		
Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching jumper, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange

Ordering data		
Type	Order No.	Pcs. / Pkt.
PAI-4-FIX OG	3034455	10
PAI-4-FIX YE	3032745	10
PAI-4-FIX GN	3032758	10
PAI-4-FIX VT	3032761	10
PAI-4-FIX BK	3032774	10
PAI-4-FIX BU	3032729	10
PAI-4-FIX RD	3032732	10
PAI-4-FIX GY	3032790	10
PAI-4-FIX BN	3032787	10
S-ME 6	3034439	10
SB-ME 2-8	3034468	10
SB-ME 3-8	3032800	10
SB-ME 4-8	3034484	10
C-ME 6/2	3034442	10
C-ME 6/3	3034390	50

### Diode terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 194.
2) If the diode is loaded to 5 A, the surface reaches a temperature of 140°C.
3) 1000 V reverse voltage.
If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.
Covers should ensure that the parts are not touched.



5 A, 1000 V, diode terminal block, same shape



Terminal block, for soldering a component

ERIE

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	100.8	60 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
5 <sup>2)</sup>	1000 <sup>3)</sup>	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000 <sup>3)</sup>	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	5	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STME 6-DIO/L-R HV	① 3035691	50	
STME 6-DIO/R-L HV	② 3035692	50	

Accessories <sup>1)</sup>			
D-DTME 6	3034426	10	
DP-STMED 6	3035690	50	

ERIE

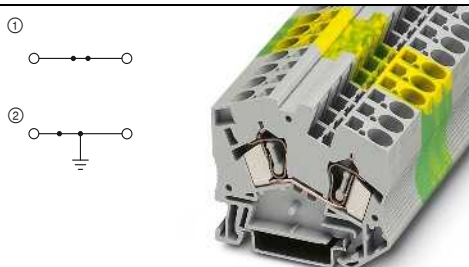
Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	100.8	60 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
5 <sup>2)</sup>	500	0.2 - 10	-	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / 6	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STME 6-BE	① 3035688	50	

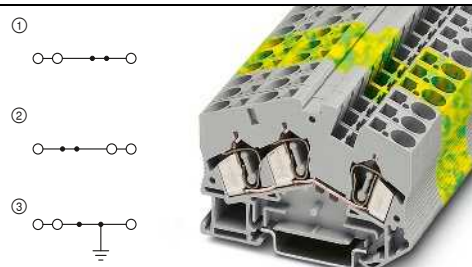
Accessories <sup>1)</sup>			
D-DTME 6	3034426	10	
DP-STMED 6	3035690	50	

### Desk-design terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 194.



57 A, feed-through terminal block



57 A, feed-through terminal block, 3 connections

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	58	50 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	800	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	50 / -	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STS 6	① 3038121	50	
STS 6 BU	① 3038134	50	
STS 6-PE	② 3038147	50	

Accessories <sup>1)</sup>			
D-ST5 6	3038189	50	

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	70	50 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	800	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	50 / -	

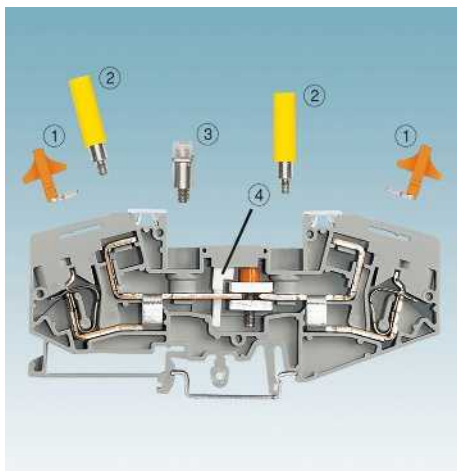
Ordering data			
Type	Order No.	Pcs. / Pkt.	
STS 6-TWIN	① 3038150	50	
STS 6-TWIN BU	② 3038163	50	
STS 6-TWIN-PE	③ 3038176	50	

Accessories <sup>1)</sup>			
D-ST5 6-TWIN	3038202	50	

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> ST... spring-cage connection terminal blocks

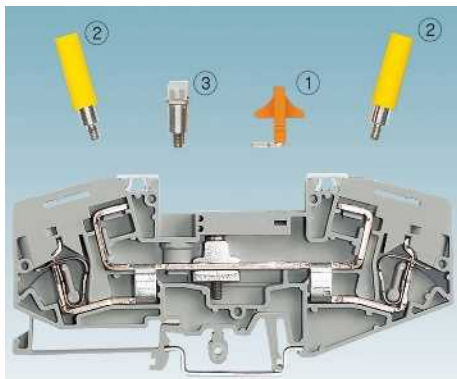
### Test disconnect terminal blocks



- The SRTK 6 test disconnect terminal block and the SGSK 6 slide-type terminal block have been specially designed for use in current transformer secondary circuits
  - Only two SRTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
  - Less space required compared to creating circuits with slide-type terminal blocks
- SB... switch bar
  - 4 mm Ø PSBJ-URTK 6... test sockets
  - FBRI 10-8 N fixed bridge for cross connection
  - S-URTK/SP switching lock

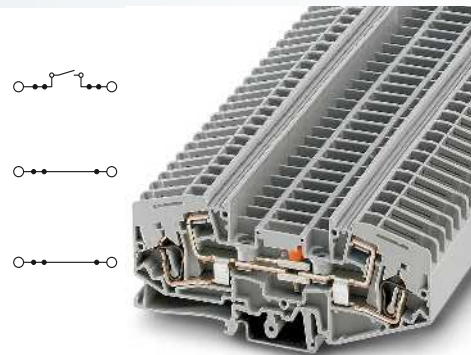
### Slide-type terminal blocks

- Several measuring devices or protective relays can be connected individually using the SGSK 6 slide-type terminal block
- The slide can be connected with the switch bar depending on the switching tasks.



SGSK 6 slide-type terminal block

<b>Notes:</b>
For technical data, see page 194.
S-URTK/SP switching lock can only be used with SRTK 6.



45 A, test disconnect terminal block



<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>		
1 conductor		[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule		[mm <sup>2</sup> ]
<b>General data</b>		
Disconnect slide: Thread / Torque		- / [Nm]
Torque: Test socket, fixed bridge, switch bar		[Nm]

Technical data			
Width	Length	Height NS 35/7,5	
8.2	113	49	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
45	400	0.2 - 10	18-8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage		Nominal current / cross section	
400	300	-	-
41 / 6	40 / -	-	-
<b>Connection capacity</b>		Ferrule	
		without/with plastic sleeve	
solid	stranded	0.25 - 6	0.25 - 6
0.2 - 10	0.2 - 6	-	0.5 - 1.5
<b>General data</b>			
Disconnect slide: Thread / Torque		M3 / 0.6 - 0.8	
Torque: Test socket, fixed bridge, switch bar		0.6 - 0.8	

Description	No. of pos.	Color
Test disconnect terminal block		gray
Slide-type terminal block		gray
Feed-through terminal block		gray

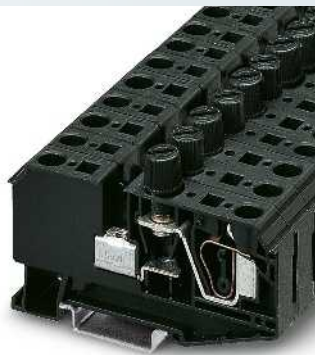
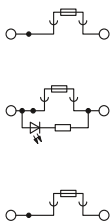
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SRTK 6		3029952	50
SGSK 6		3029965	50
SRDK 6		3029973	50

Cover, width 2 mm		gray
Switching jumper, complete		
	2	orange
	3	orange
	4	orange
	10	orange
for bridging between non-adjacent terminals	10	orange
Fixed bridge, isolated		
	10	silver
Switching lock, excludes the possibility of unintentional operation of the disconnect slide		white
Test socket, insulated		transparent
		blue
		yellow
		green
		violet
		black
		gray
		brown
		red
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Screwdriver		
Center groove marking		

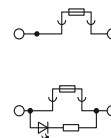
Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-SRTK 6		3029981	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T	41 A	3026382	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	41 A	2772080	10
S-URTK/SP		0311155	50
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
PSBJ-URTK 6 GY		3026612	10
PSBJ-URTK 6 BN		3026971	10
PSBJ-URTK 6 RD		3026719	10
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
SZF 2-0,8X4,0		1204520	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)			

Fuse terminal blocks

**Notes:**  
 1) If the fuse is faulty, the downstream circuit is not off load.  
 2) The current is determined by the fuse used, the voltage by the selected light indicator. Observe the maximum power dissipation, see phoenixcontact.net/products.



10 A, fuse terminal block for, 5 x 20 mm cartridge fuses



10 A, fuse terminal block, for 6.3 x 32 mm cartridge fuses



Technical data				
Width	Length	Height NS 35/7,5		
12	86.5	56.5		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10 <sup>2</sup>	800 <sup>2</sup>	0.5 - 10	20-8	
IEC 60947-7-3				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage [V]	800 <sup>2</sup>	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	10 <sup>2</sup> / 1.5	20 / -	-	-
Rated cross section [mm <sup>2</sup> ]	6	-	-	-
Cross section range AWG	20 - 8	20-8	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
	1 conductor [mm <sup>2</sup> ]	2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	0.5 - 10	0.5 - 6
General data	Fuse type / dimensions - / [mm]	G / 5 x 20		
Stripping length [mm]	12	12		
Insulating material	PA	PA		
Inflammability class according to UL 94	V0	V0		



Technical data				
Width	Length	Height NS 35/7,5		
12	86.5	56.5		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10	800	0.5 - 10	20-8	
IEC 60947-7-3				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	10 / 1.5	20 / -	-	-
Rated cross section [mm <sup>2</sup> ]	6	-	-	-
Cross section range AWG	20 - 8	20-8	-	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve	
	1 conductor [mm <sup>2</sup> ]	2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	0.5 - 10	0.5 - 6
General data	Fuse type / dimensions - / [mm]	G / 6,3 x 32		
Stripping length [mm]	12	12		
Insulating material	PA	PA		
Inflammability class according to UL 94	V0	V0		

Description	No. of pos.	Color
Fuse terminal block for 12 - 30 V DC, 0.7 - 2.4 mA <sup>1)</sup>		black
110 - 250 V AC/DC, 0.2 - 0.9 mA <sup>1)</sup>		black
Fuse terminal block, with indicating pin		black

Ordering data				
Type	$I_{max}$	Order No.	Pcs. / Pkt.	
ZFK 6-DREHSI (5X20)		3025040	25	
ZFK 6-DREHSILED 24 (5X20)		3025600	25	
ZFK 6-DREHSILA 250 (5X20)		3025590	25	
ZFK 6-DREHSI/K (5X25)		3029457	25	

Ordering data				
Type	$I_{max}$	Order No.	Pcs. / Pkt.	
ZFK 6-DREHSI (6,3X32)		3025273	25	
ZFK 6-DREHSILED 24 (6,3X32)		3025587	25	
ZFK 6-DREHSILA 250 (6,3X32)		3025574	25	

Fixed bridge, isolated	No. of pos.	Color
Test plug metal part, 2.3 mm Ø	10	silver
Insulating sleeve, for MPS metal part		red
Screwdriver		
Center and lateral groove marking		

Accessories				
Type	$I_{max}$	Order No.	Pcs. / Pkt.	
FBI 10-12	57 A	0203454	10	
MPS-MT		0201744	10	
MPS-IH RD		0201676	10	
SZF 2-0,8X4,0		1204520	10	
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)				

Accessories				
Type	$I_{max}$	Order No.	Pcs. / Pkt.	
FBI 10-12	57 A	0203454	10	
SZF 2-0,8X4,0		1204520	10	
UC-TMF 12, UCT-TMF 12 or ZBF 12 (see Catalog 5)				

# Terminal blocks - CLIPLINE complete

## 10 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### General technical data for 10 mm<sup>2</sup> ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	10			
Cross section range	AWG	24 - 6			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	1.5 - 2.5
<b>General data</b>					
Stripping length	[mm]	18			
Insulating material		PA			
Inflammability class according to UL 94		VO			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

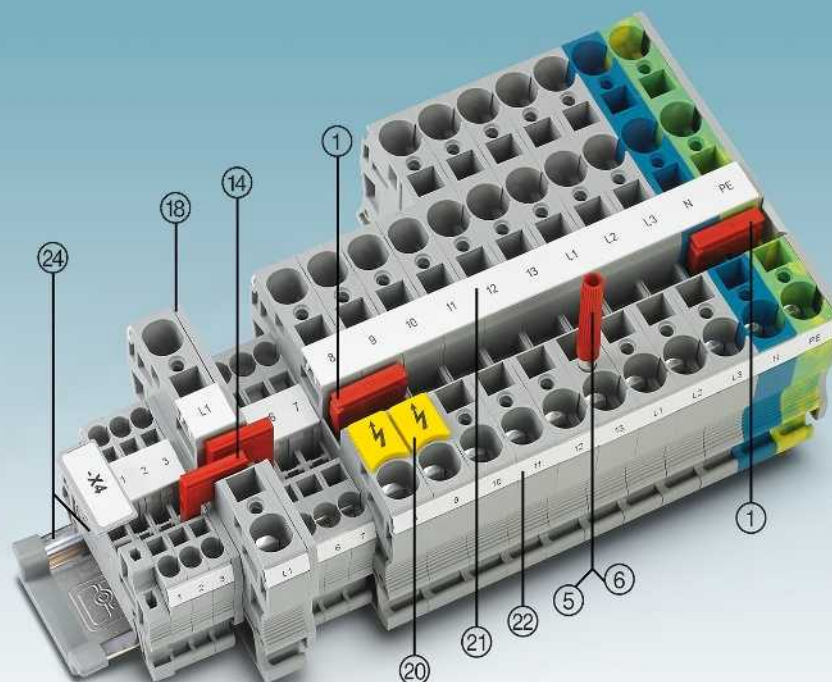


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 10 mm<sup>2</sup> ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-10	3005947	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
Screwdriver			SZF 3-1,0X5,5	1206612	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑮ Cover			Documented for the product.					
⑳ Warning labels			For WS ..., see page 353.					
㉑ Center groove marking			UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 5, selection tables from page 100.					
㉒ Center and lateral groove marking			UC-TMF 10, UCT-TMF 10 or ZBF 10. See also Catalog 5, selection tables from page 100.					
㉓ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					



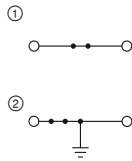
## 10 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**

1) For additional accessories and technical data, see page 200.

For information on installation and using accessories for Ex applications, see page 602.



65 A, feed-through terminal block



Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

**Technical data<sup>1)</sup>**

Width	Length	Height		
10.2	71.5	50.3 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
65	1000	0.2 - 16	16-6	
Max. bridge current [A] 57				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	550
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10	65 / -	65 / -	50 / 10

**Ordering data**

Type	Order No.	Pcs. / Pkt.
ST 10	① 3036110	50
ST 10 BU	① 3036123	50
ST 10-PE	② 3036136	50

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-ST 10	3036644	50

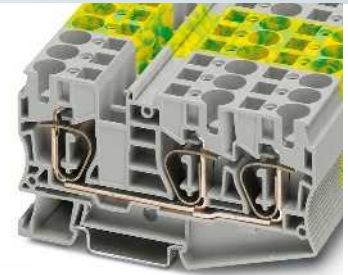
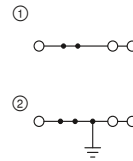
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Cover, width 2.2 mm	gray
---------------------	------



70 A, feed-through terminal block, 3 connections



**Technical data<sup>1)</sup>**

Width	Length	Height		
10.2	97	50.3 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
70	1000	0.2 - 16	16-6	
Max. bridge current [A] 57				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10	55 / -	55	-

**Ordering data**

Type	Order No.	Pcs. / Pkt.
ST 10-TWIN	① 3035288	25
ST 10-TWIN BU	① 3035292	25
ST 10-TWIN-PE	② 3035302	25

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-ST 10-TWIN	3035315	50

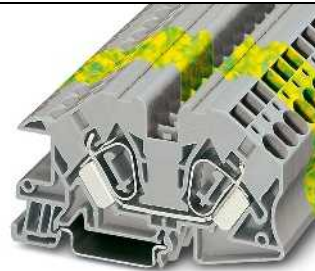
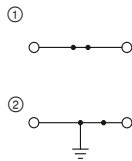
### Installation terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 200.

**Assembly instruction:**

In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



57 A, feed-through terminal block



**Technical data<sup>1)</sup>**

Width	Length	Height		
10	87	49 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	400	0.2 - 16	-	
Max. bridge current [A] 57				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10	-	-	-

**Ordering data**

Type	Order No.	Pcs. / Pkt.
STI 10	① 3038215	25
STI 10 BU	① 3038228	25
STI 10-PE	② 3038231	25

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-STI 10/16	3038309	25
AB-STI 16/10	3037669	10

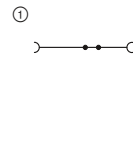
Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
	blue
Neutral disconnect terminal block	blue
Ground terminal	green-yellow

Cover, width 2 mm	gray
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue



57 A, neutral disconnect terminal block



**Technical data<sup>1)</sup>**

Width	Length	Height		
10	87	50 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	400	0.2 - 16	-	
Max. bridge current [A] 57				
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10	-	-	-

**Ordering data**

Type	Order No.	Pcs. / Pkt.
STN 10	① 3038244	25

**Accessories<sup>1)</sup>**

Type	Order No.	Pcs. / Pkt.
D-STI 10/16	3038309	25
AB-STI 16/10	3037669	10

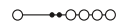
# Terminal blocks - CLIPLINE complete

## 10 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Hybrid terminal blocks with screw connection on one side, 16 (16) mm<sup>2</sup>

**Notes:**

For additional accessories and technical data, see page 200



57 A, power terminal, 4 x 2.5 mm<sup>2</sup> outlets



Dimensions		
		[mm]
Max. electrical data		
<b>Rated data, screw connection</b>		
Rated voltage	[V]	800
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	55 / 10
Cross section range	AWG	20 - 6
Connection capacity, screw connection		
1 conductor	[mm <sup>2</sup> ]	0.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Rated data, spring-cage connection		
Rated voltage	[V]	800
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5
Cross section range	AWG	24 - 10
Connection capacity, spring-cage connection		
1 conductor	[mm <sup>2</sup> ]	0.08 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
General data		
Stripping length	[mm]	8 - 10
Screw thread		M4
Tightening torque	[Nm]	1.5 - 1.8

Technical data				
Width	Length	Height NS 35/7,5		
10.3	68	48.3		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	800	0.5 - 16	20-8	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Ferrule				
		without/with plastic sleeve		
		0.5 - 10	0.5 - 10	
		0.5 - 2.5	-	
		-	0.5 - 6	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Ferrule				
		without/with plastic sleeve		
		0.14 - 2.5	0.14 - 2.5	
		-	0.14 - 0.5	

Description	No. of pos.	Color
<b>Terminal block</b>		gray blue

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
STU 10/ 4X2,5		3033139	50
STU 10/ 4X2,5 BU		3033142	50

<b>Pick-off terminal block</b> , for snapping into the lateral guide		gray
<b>Cover</b> , width 2.2 mm		gray
<b>Jumper</b>		
	2	red
	3	red
	4	red
	5	red
	10	red
<b>Screwdriver</b>		

Accessories			
<b>AGK 4-UT 10</b>		3047112	50
<b>D-STU 10/ 4X2,5</b>		3033197	50
<b>FBS 2-5</b>	24 A	3030161	50
<b>FBS 3-5</b>	24 A	3030174	50
<b>FBS 4-5</b>	24 A	3030187	50
<b>FBS 5-5</b>	24 A	3030190	50
<b>FBS 10-5</b>	24 A	3030213	10
<b>SZF 2-0,8X4,0</b>		1204520	10



# Terminal blocks - CLIPLINE complete

## 16 mm² ST... spring-cage connection terminal blocks

### General technical data for 16 mm² ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	16
Cross section range	AWG	24 - 4
<b>Connection capacity</b>		solid          stranded          Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 25          0.2 - 16          0.25 - 16          0.25 - 16
2 stranded conductors with a TWIN ferrule	[mm²]	-          -          -          1.5 - 4
<b>General data</b>		
Stripping length	[mm]	18
Insulating material		PA
Inflammability class according to UL 94		VO
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

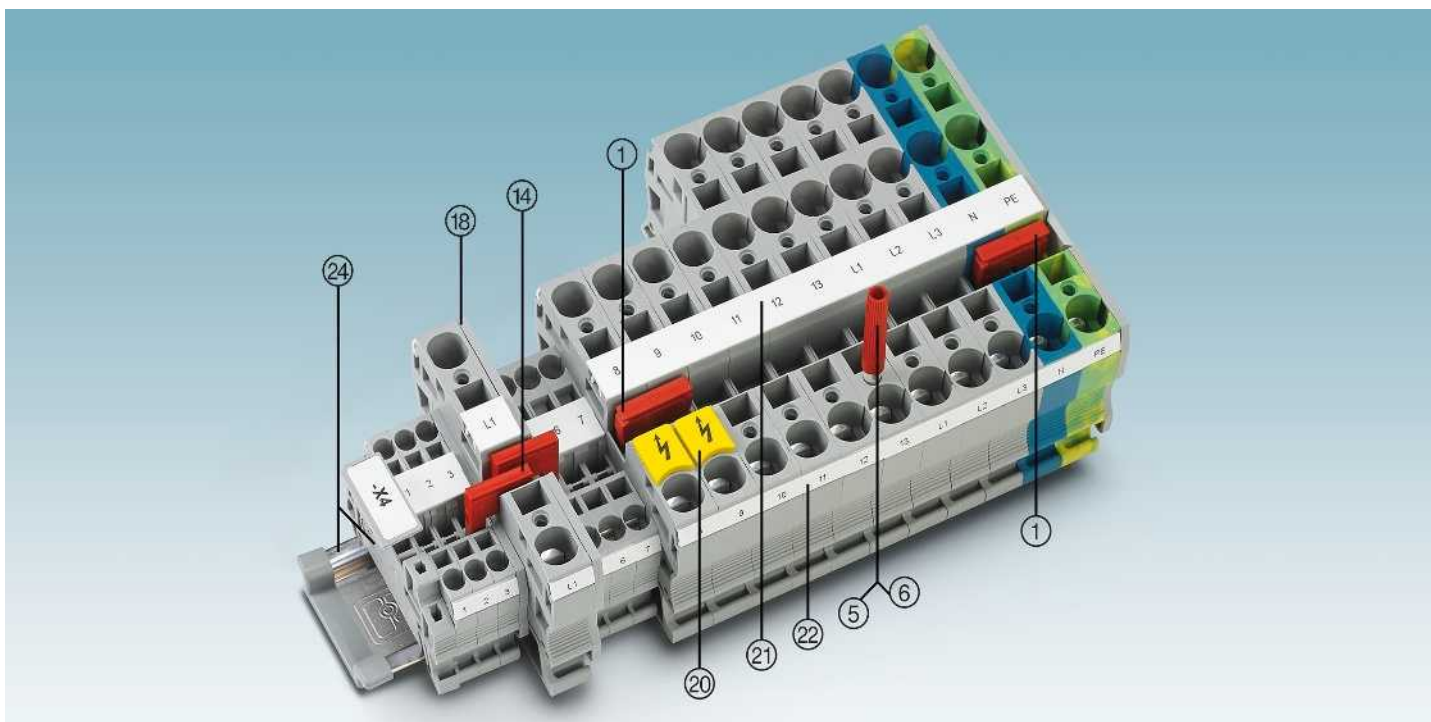


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

¹) The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 16 mm² ST... spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper¹)	2	red	FBS 2-12	3005950	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
Screwdriver			SZF 3-1,0X5,5	1206612	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑮ Cover			Documented for the product.					
⑳ Warning labels			For WS ..., see page 353.					
㉑ Center groove marking			UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.					
㉒ Center and lateral groove marking			UC-TMF 12, UCT-TMF 12 or ZBF 12. See also Catalog 5, selection tables from page 100.					
㉓ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

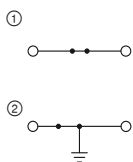
## 16 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### Feed-through and multi-conductor terminal blocks and ground terminals

#### Notes:

1) For additional accessories and technical data, see page 204.

For information on installation and using accessories for Ex applications, see page 602.



90 A, feed-through terminal block



Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

#### Technical data<sup>1)</sup>

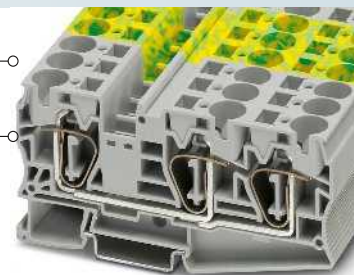
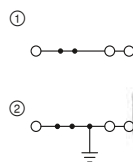
Width	Length	Height		
12.2	80	51.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
90	1000	0.2 - 25	16-4	
76				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
76 / 16	85 / -	85 / -	65 / 16	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 16	① 3036149	50
ST 16 BU	① 3036152	50
ST 16-PE	② 3036165	25

#### Accessories<sup>1)</sup>

D-ST 16	Order No.	Pcs. / Pkt.
D-ST 16	3036657	50



90 A, feed-through terminal block, 3 connections



#### Technical data<sup>1)</sup>

Width	Length	Height		
12.2	107.8	51.5 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
90	1000	0.2 - 25	16-4	
76				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
76 / 16	75 / -	75	-	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 16-TWIN	① 3035328	25
ST 16-TWIN BU	① 3035331	25
ST 16-TWIN-PE	② 3035344	25

#### Accessories<sup>1)</sup>

D-ST 16-TWIN	Order No.	Pcs. / Pkt.
D-ST 16-TWIN	3035357	50

#### Dimensions

#### Max. electrical data

Max. bridge current [A]

#### Rated data

Rated voltage [V]

Nominal current / cross section [A] / [mm<sup>2</sup>]

Description Color

Terminal block gray

Terminal block blue

Ground terminal green-yellow

Cover, width 2.2 mm gray

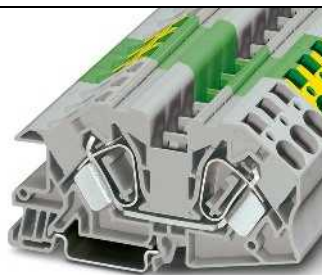
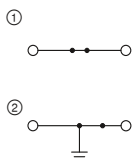
### Installation terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 204.

#### Assembly instruction:

In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)



76 A, feed-through terminal block



#### Technical data<sup>1)</sup>

Width	Length	Height		
12	95	49 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
76	400	0.2 - 25	-	
76				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
76 / 16	-	-	-	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STI 16	① 3038257	25
STI 16 BU	① 3038260	25
STI 16-PE	② 3038273	25

#### Accessories<sup>1)</sup>

D-STI 10/16	Order No.	Pcs. / Pkt.
D-STI 10/16	3038309	25
AB-STI 16/10	3037669	10

#### Dimensions

#### Max. electrical data

Max. bridge current [A]

#### Rated data

Rated voltage [V]

Nominal current / cross section [A] / [mm<sup>2</sup>]

Description Color

Terminal block gray

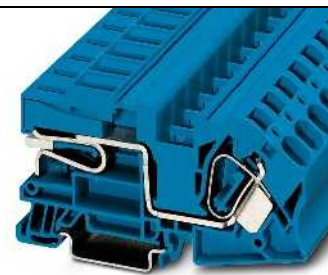
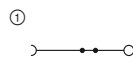
Terminal block blue

Neutral disconnect terminal block blue

Ground terminal green-yellow

Cover, width 2 mm gray

Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide blue



76 A, neutral disconnect terminal block



#### Technical data<sup>1)</sup>

Width	Length	Height		
12	95	50 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
76	400	0.2 - 25	-	
76				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
76 / 16	-	-	-	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STN 16	① 3038286	25

#### Accessories<sup>1)</sup>

D-STI 10/16	Order No.	Pcs. / Pkt.
D-STI 10/16	3038309	25
AB-STI 16/10	3037669	10

# Terminal blocks - CLIPLINE complete

## 35 mm<sup>2</sup> ST... spring-cage connection terminal blocks

### General technical data for 35 mm<sup>2</sup> ST... spring-cage connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm <sup>2</sup> ]	35			
Cross section range	AWG	14 - 2			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	2.5 - 10
<b>General data</b>					
Stripping length	[mm]	25			
Insulating material		PA			
Inflammability class according to UL 94		VO			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

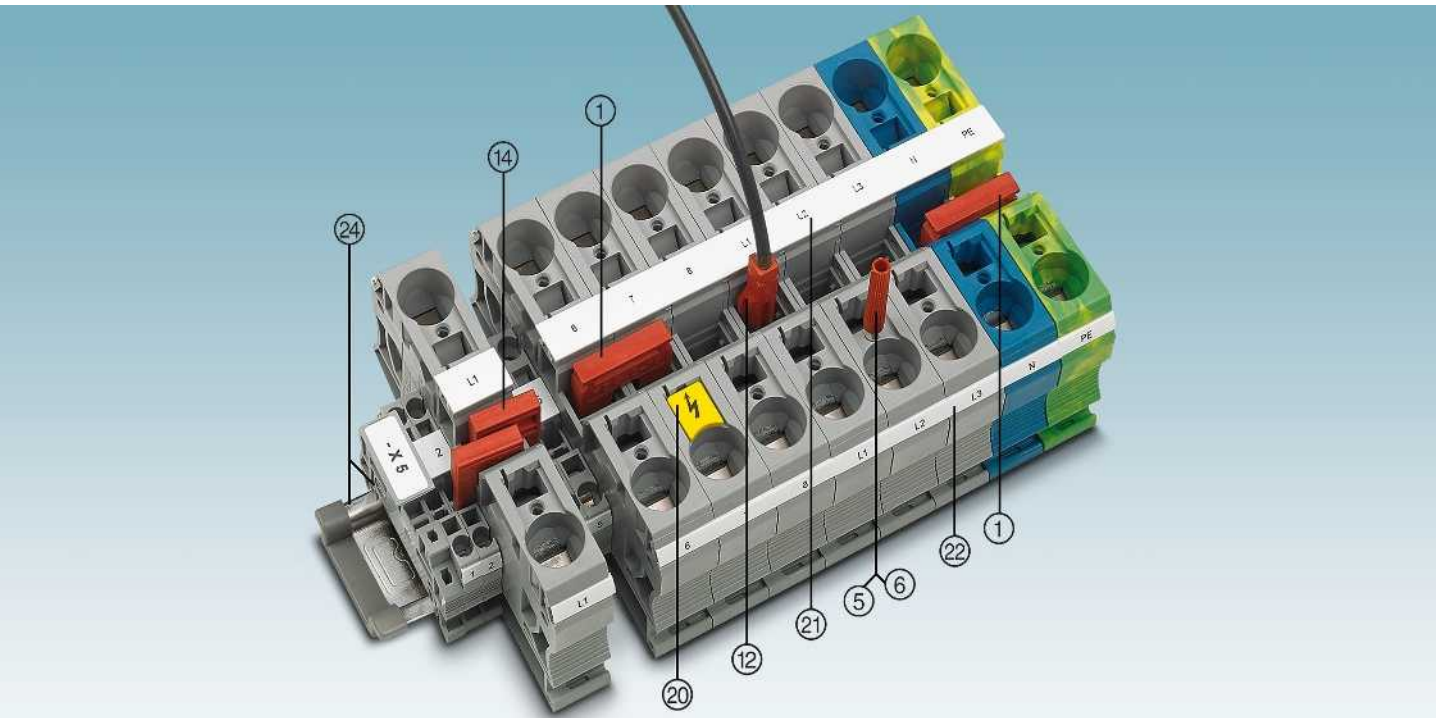


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

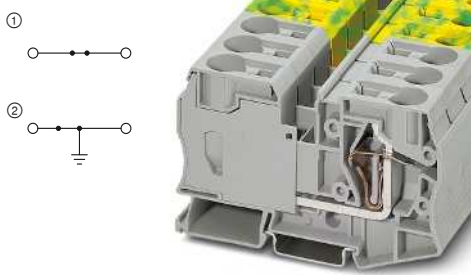
### System accessories for 35 mm<sup>2</sup> ST... spring-cage connection terminal blocks



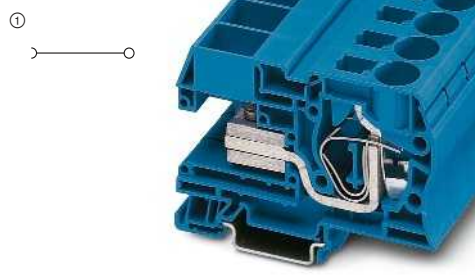
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-16	3005963	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑧ Test plug, with 2.5 mm <sup>2</sup> conductor		red	PAI-ST 35/1000MM	3029994	20			
Screwdriver			SZF 3-1.0X5,5	1206612	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑰ Warning labels			For WS ..., see page 353.					
⑳ Center groove marking			UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.					
㉑ Center and lateral groove marking			UC-TMF 16, UCT-TMF 16 or ZBF 16. See also Catalog 5, selection tables from page 100.					
㉒ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

**Feed-through terminal blocks and ground terminals**

**Notes:**  
 1) For additional accessories and technical data, see page 206.  
**Assembly instruction:**  
 In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products  
 For information on installation and using accessories for Ex applications, see page 602.



125 A, feed-through terminal block



125 A, neutral disconnect terminal block



Ex: KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data <sup>1)</sup>			
Width	Length	Height	
16	100	59 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	1000	2.5 - 35	14-2
101			
IEC	UL / CUL	CSA	Ex
1000	600	600	690
125 / 35	115 / -	115 / -	108 / 35

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 35	3036178	10	
ST 35 BU	3036181	10	
ST 35-PE	3036194	10	

Accessories <sup>1)</sup>			

EAC

Technical data <sup>1)</sup>			
Width	Length	Height	
16	92	59 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	400	2.5 - 35	-
IEC	UL / CUL	CSA	Ex
400	-	-	-
125 / 35	-	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STN 35	3038299	10	

Accessories <sup>1)</sup>			
AB-STI 16/10	3037669	10	

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
101	
1000	
125 / 35	

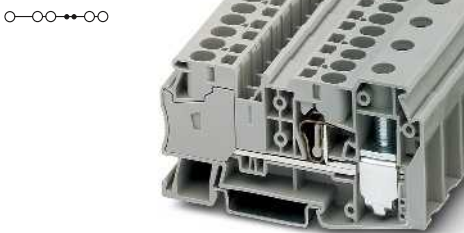
Description	Color
Terminal block	gray
	blue
Neutral disconnect terminal block	blue
Ground terminal	green-yellow

Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue
---	------

**Hybrid terminal blocks with screw connection on one side**  
 – Rated voltage of 1000 V

**Notes:**  
 For additional accessories and technical data, visit phoenixcontact.net/products  
 For screw connection rated data, visit phoenixcontact.net/products  
 For further jumpers, see page 340.



125 A (screw connection), power terminal, 4 x 10 mm<sup>2</sup> outlets

EAC

Technical data			
Width	Length	Height NS 35/7,5	
16.2	86	46.8	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	1000	2.5 - 35	14-2
IEC	UL	CSA	IEC / EN 60079-7
1000	600	-	-
41 / 6	115 / -	-	-
12 - 2	14-2	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STU 35/ 4X10	3033126	25	
STU 35/ 4X10 BU	3033210	25	

Accessories			
FBS 2-8	3030284	10	

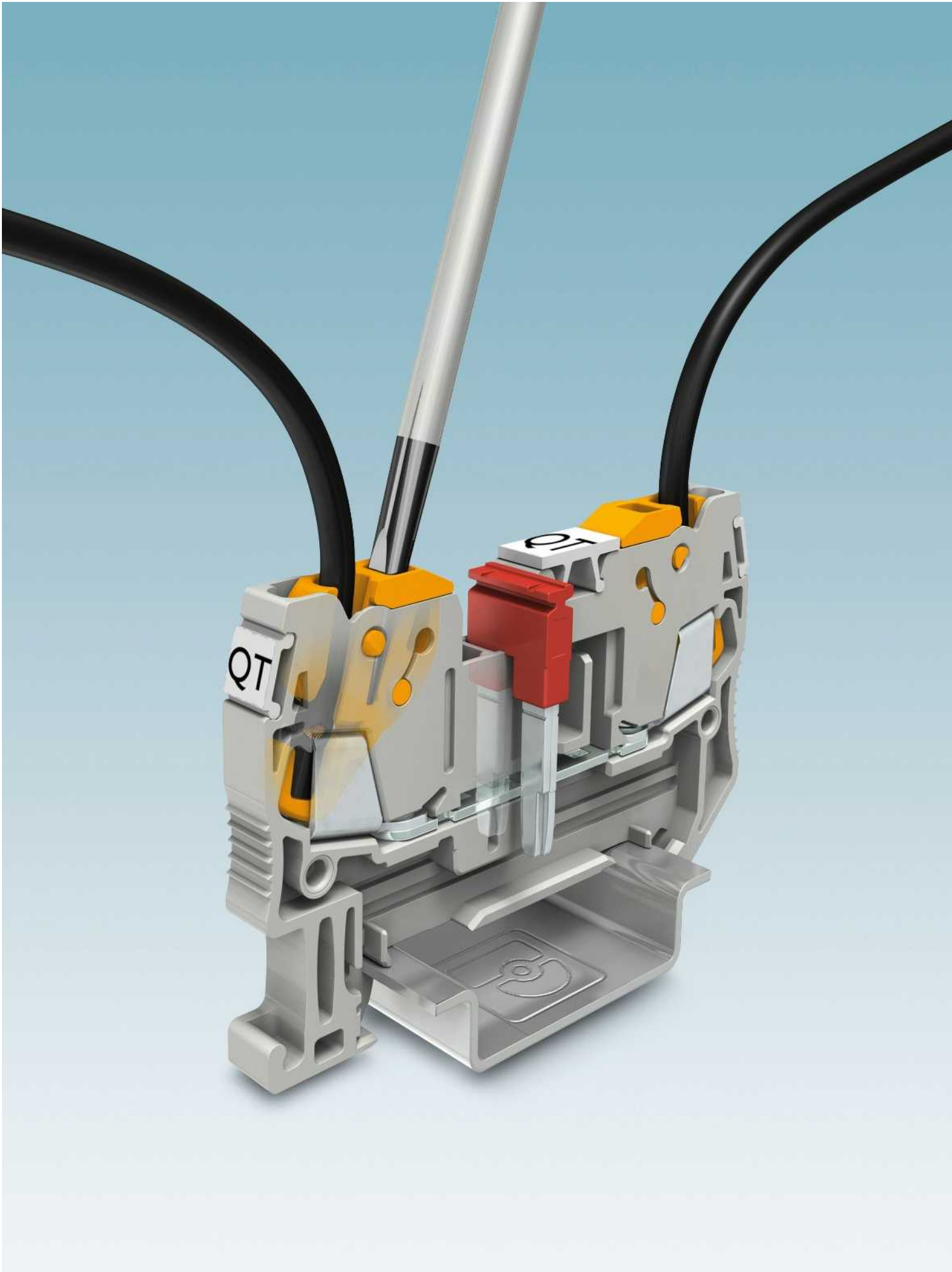
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
General data	
Stripping length	[mm]
35	

Description	No. of pos.	Color
Terminal block		gray
		blue

Jumper	2	red
--------	---	-----





# QT... fast connection terminal blocks

The use of QT... fast connection terminal blocks can save up to 60 percent of the time required for wiring, since stripping and fitting splicing protection are no longer necessary. The cables just need to be cut to length for contact to be made in a matter of seconds. An important characteristic is the space-saving connection with patented insulation displacement contact.

The start and end positions of the conductor connection are clearly identified by engagement points. When a conductor is connected, the insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes extensive, gas-tight contact. Solid and stranded conductors from 0.25 to 2.5 mm<sup>2</sup> can be wired without aids such as guide ferrules.

The high quality of the QT... fast connection terminal blocks is proven by the fact that this connection technology features various approvals and is certified under the standard for Ex e applications.

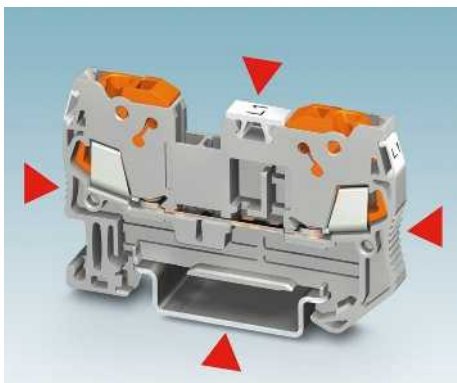
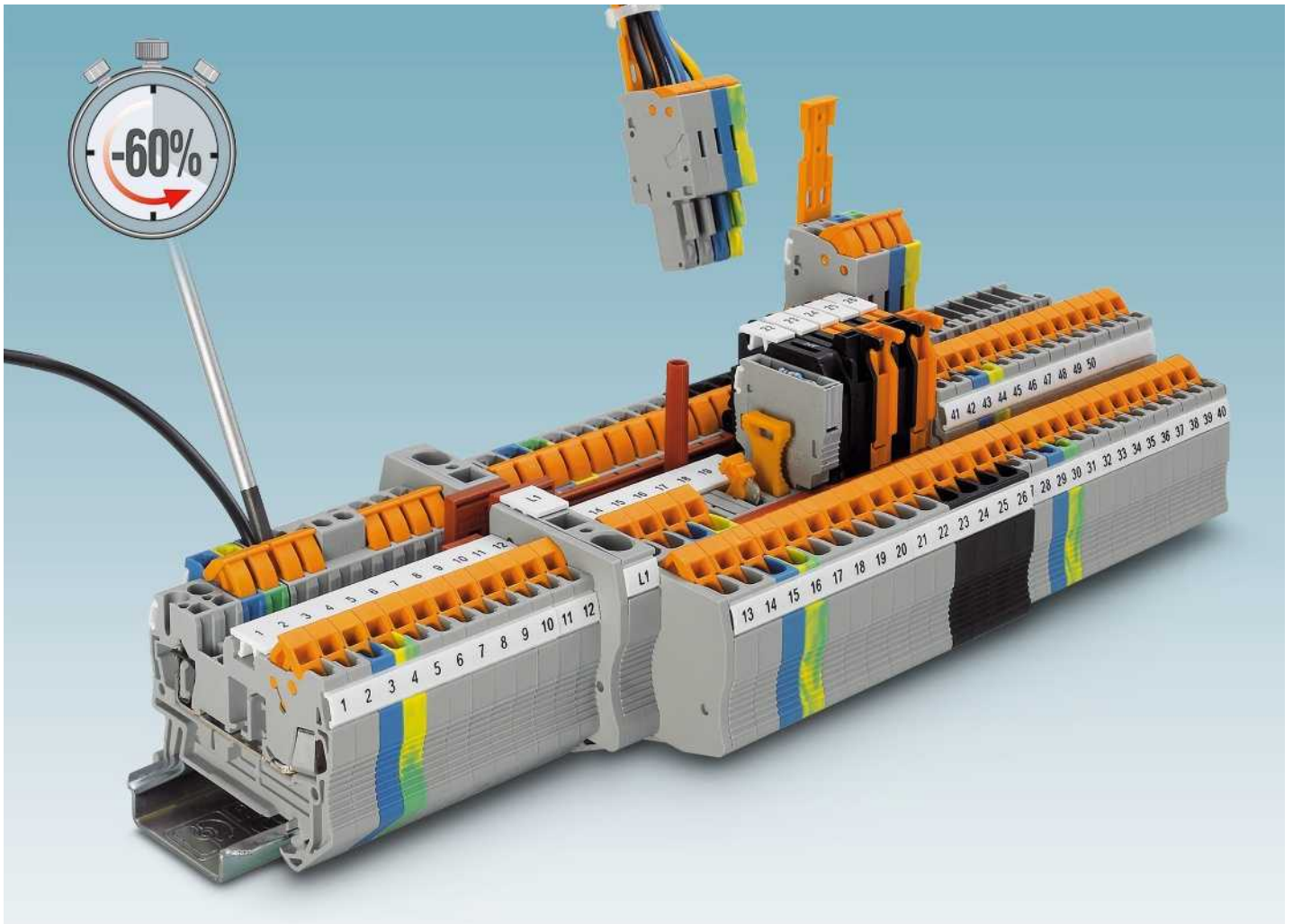
## Product range overview

### 1.5 mm<sup>2</sup>

Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals	215
Disconnect terminal blocks	216
Knife disconnect terminal blocks	217
Diode terminal blocks	217
Hybrid terminal blocks with screw connection on one side	218
Hybrid terminal blocks with spring-cage connection on one side	219

### 2.5 mm<sup>2</sup>

Feed-through and multi-conductor terminal blocks	221
Disconnect terminal blocks	221
Knife disconnect terminal blocks	221
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape	222
Hybrid terminal blocks with screw connection on one side	222
Hybrid terminal blocks with spring-cage connection on one side	223



### Space-saving design

The QUICKON QT series is characterized by the IDC connection. This allows space to be saved without limiting the quality features in any way:

- Large-surface marking
- Maximum connection space
- Flexible jumper system



### Trim to length - Connect - Job done!

Time savings of 60% and more compared with other connection systems. Stripping and fitting splicing protection is no longer necessary thanks to the QUICKON fast connection system. All that is needed is to cut the conductors to the correct length and they can then be contacted within seconds.

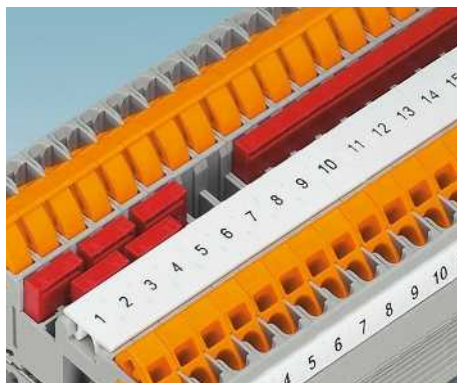


### Powerful cutting contact

The 0.25 to 2.5 mm<sup>2</sup> conductor connection is provided by the patented cutting contact. High-quality special alloys and latches for the switching states ensure safe electrical connections at all times. Large, spring-mounted contact points guarantee 24 A current-carrying capacity.



The reducing bridge enables time-saving and low-cost potential distribution when supplying large cross sections. The reducing bridge connects, e.g., an ST 10 terminal block to a QTC 1,5 or QTC 2,5.



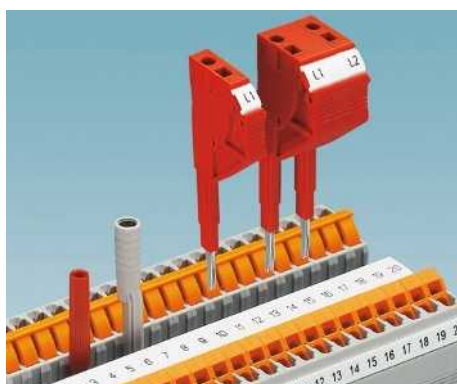
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



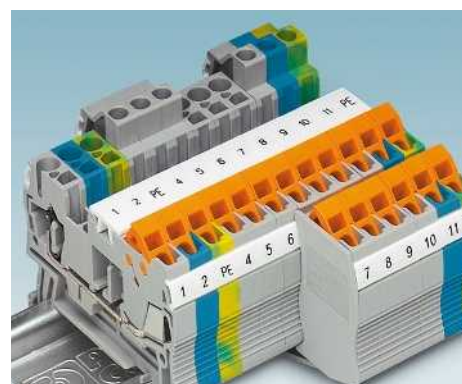
A jumping bridge is created by removing individual forks from the standard bridge. Two potentials can then be routed in parallel. There is scope for marking on the top of the bridge.



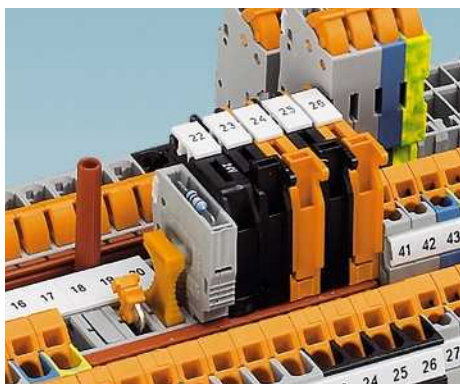
The P-FIX isolated feed-through connector, P-DI isolating plug, P-CO component connector, and P-FU cartridge fuse plug with a 5.2 mm pitch can be used in the universal plug-in zone of the disconnect terminal block.



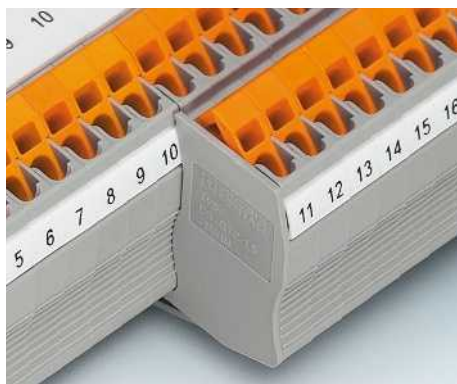
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



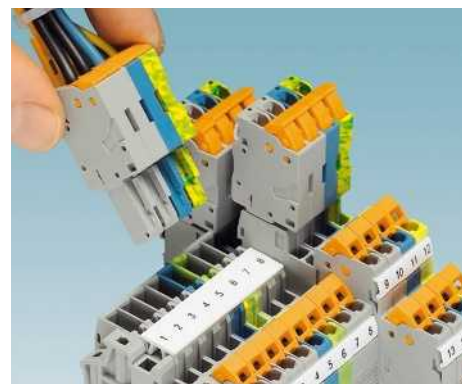
The hybrid versions combine the time-saving rapid connection method with the benefits of the screw or spring-cage method.



Lever-type fuse terminal blocks are also available to suit the function terminal blocks. The retentive fuse holders can be used in a black housing with a micro fuse or in an orange housing with a contact metal.



Cover segments are used to cover protruding terminal block segments of three- or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact.



QT COMBI basic terminal blocks and plugs with fast connection are available for the plug-in configuration of signal wiring with fast connection. See "COMBI" section, page 225.

## Terminal blocks - CLIPLINE complete

### QT... fast connection terminal blocks

#### QT... feed-through terminal blocks



- Time savings of up to 60 percent during connection as no conductor pretreatment is required
- Easy to operate and use thanks to the patented insulation displacement contact
- Universal use thanks to large cross section range
- Space saving thanks to the compact design

**i** Your web code: **#0053**

#### QT... disconnect and knife disconnect terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility on either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Clear identification of the disconnect point thanks to color highlighting
- Easy handling of the disconnect knife using a standard screwdriver

**i** Your web code: **#0054**

#### QTCU... and QTCS... hybrid terminal blocks



- Meet requirements for internal and external wiring at the same time as different connection methods are integrated in a single terminal block
- Free choice of connection technology thanks to two combination options
- Version with fast connection/spring-cage connection or fast connection/screw connection
- Uniform distances from cable ducts
- Feed-through terminal blocks and ground terminals of the same shape

**i** Your web code: **#0055**

## QT... fuse terminal blocks



- Extremely compact design
- Two function shafts mean that all potential distribution tasks can be undertaken at speed
- QTC 2,5-TG / -MT function terminal blocks of the same shape are available
- Test connection on both sides in safety lever
- Versions with light indicator for indicating that a fuse has blown round off the range

**i** Your web code: [#0162](#)

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> QT... fast connection terminal blocks

### General technical data for 1.5 mm<sup>2</sup> QT... fast connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm <sup>2</sup> ]	1.5
Cross section range	AWG	24 - 16
<b>Connection cross section according to DIN VDE 0295</b>		
H05V(Z) / H07V(Z)	[mm <sup>2</sup> ]	0.5 - 1.5
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm <sup>2</sup> ]	0.25 - 0.34
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16
Frequency of connections with the same cross section		100
<b>General data</b>		
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

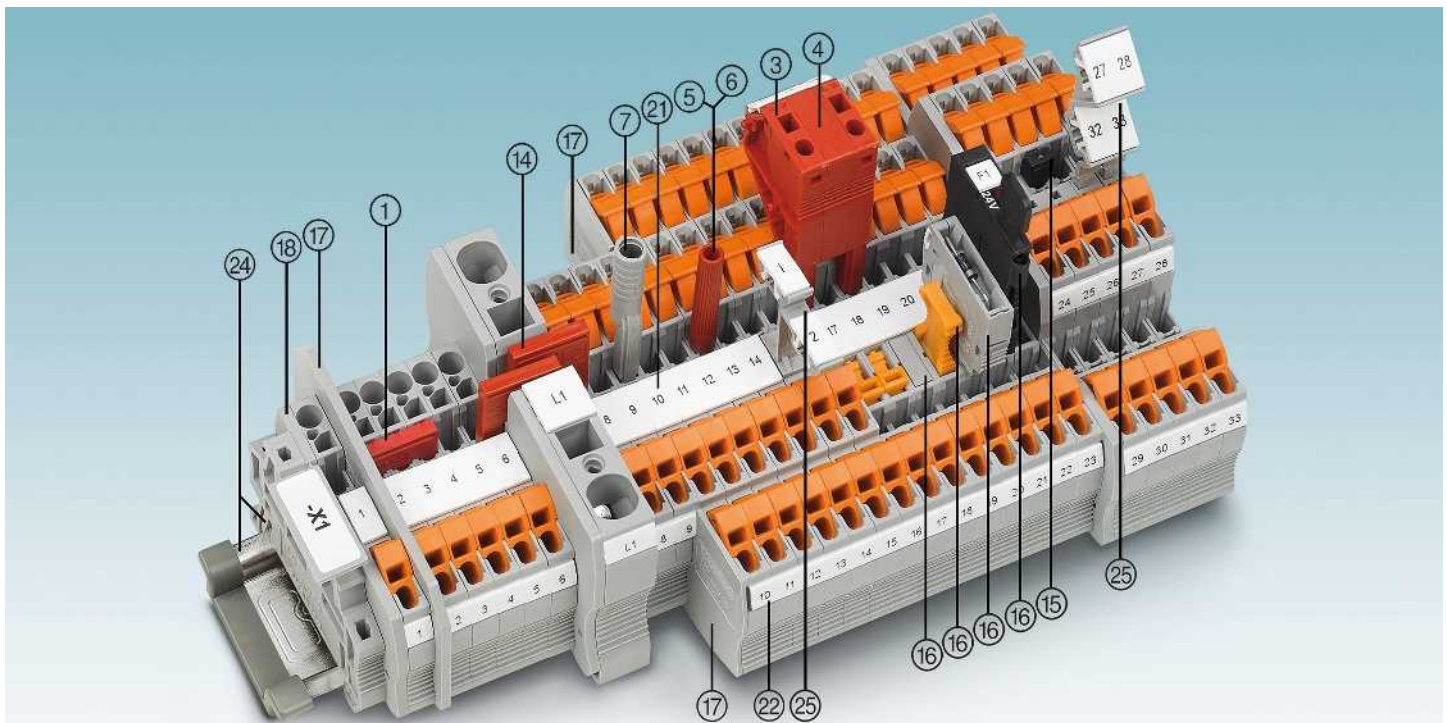


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 1.5 mm<sup>2</sup> QT... fast connection terminal blocks

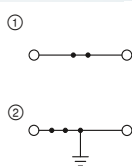


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Vertical potential bridge	For FBS ..., see page 341.
⑯ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Center groove marking	UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.
⑲ Center and lateral groove marking	UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.
⑳ DIN rails and end brackets	See Catalog 5.
㉑ Marker carrier	For STP ..., see page 352.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

### Feed-through and multi-conductor terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 214.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block

UL, IEC, ENEC, ABS, CE, KR, ClassNK

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

**Technical data<sup>1)</sup>**

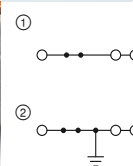
Width	Length	Height		
5.2	58.8	39.3 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBRS)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
17.5 / 1.5	10 / -	10 / -	16 / 1.5	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTC 1,5	① 3205019	50
QTC 1,5 BU	① 3205022	50
QTC 1,5-PE	② 3205035	50

Accessories <sup>1)</sup>		
D-QTC 1,5	Order No.	Pcs. / Pkt.
D-QTC 1,5	3205161	50



17.5 A, feed-through terminal block, 3 connections

UL, IEC, ENEC, ABS, CE, KR, ClassNK

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

**Technical data<sup>1)</sup>**

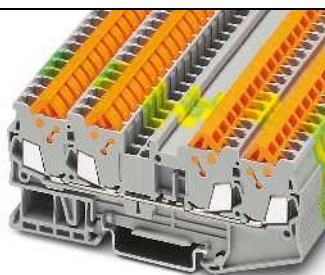
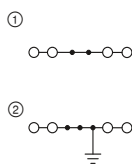
Width	Length	Height		
5.2	76.4	39.3 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBRS)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
17.5 / 1.5	10 / -	10 / -	16 / 1.5	

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTC 1,5-TWIN	① 3205048	50
QTC 1,5-TWIN BU	① 3205051	50
QTC 1,5-TWIN-PE	② 3205064	50

Accessories <sup>1)</sup>		
D-QTC 1,5-TWIN	Order No.	Pcs. / Pkt.
D-QTC 1,5-TWIN	3205190	50

### Multi-conductor terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 214.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block, 4 connections

UL, IEC, ENEC, ABS, CE, KR, ClassNK

Ex: KEMA 03ATEX2557U / IECEx KEM 07.0015U

**Technical data<sup>1)</sup>**

Width	Length	Height		
5.2	94	39.3 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBRS)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
17.5 / 1.5	10 / -	10 / -	16 / 1.5	

Dimensions	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
Terminal block	gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTC 1,5-QUATTRO	① 3205077	50
QTC 1,5-QUATTRO BU	① 3205080	50
QTC 1,5-QUATTRO-PE	② 3205093	50

Accessories <sup>1)</sup>		
D-QTC 1,5-QUATTRO	Order No.	Pcs. / Pkt.
D-QTC 1,5-QUATTRO	3205174	50

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> QT... fast connection terminal blocks

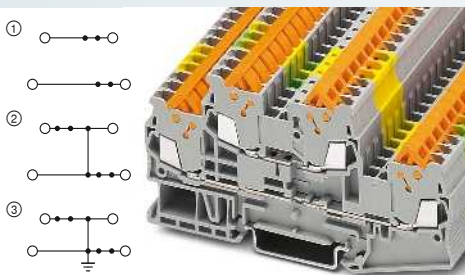
### Multi-level and disconnect terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 214.

2) Current and voltage are determined by the plug used.

For information on installation and using accessories for Ex applications, see page 602.



17.5 A, double-level terminal block

UL, IEC, ERIC, ABS, KVR, ClassNK

Ex: Ex I Ex II  
KEMA 03ATEX2557U / IECEx KEM 07.0015U

#### Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Width	5.2
Length	99.6
Height	49.9 (NS 35/7,5)
$I_{max}$ [A]	17.5
$U_{max}$ [V]	500
max. Ø [mm <sup>2</sup> ]	0.25 - 1.5
AWG (UL)	24-16
Max. bridge current	24 (FBS) / 17.5 (FBSR) [A]
<b>Rated data</b>	
Rated voltage	500 [V]
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]

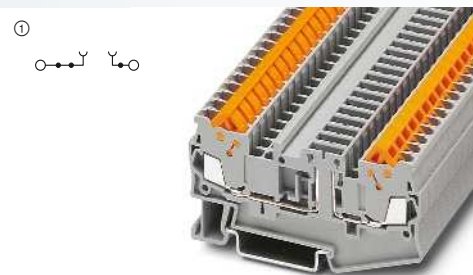
Description	Color
<b>Terminal block</b>	gray
With potential distribution	blue
<b>Ground terminal</b>	gray
	green-yellow

<b>Cover, width 2.2 mm</b>	gray
----------------------------	------

<b>Technical data<sup>1)</sup></b>	
Width	5.2
Length	99.6
Height	49.9 (NS 35/7,5)
$I_{max}$ [A]	17.5
$U_{max}$ [V]	500
max. Ø [mm <sup>2</sup> ]	0.25 - 1.5
AWG (UL)	24-16
Max. bridge current	24 (FBS) / 17.5 (FBSR) [A]
<b>Rated data</b>	
Rated voltage	500 [V]
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]

<b>Ordering data</b>			
Type	Order No.	Pcs. / Pkt.	
QTTCB 1,5	① 3205116	50	
QTTCB 1,5 BU	① 3205129	50	
QTTCB 1,5-PV	② 3205153	50	
QTTCB 1,5-PE	③ 3205132	50	

<b>Accessories<sup>1)</sup></b>			
D-QTTCB 1,5	3205187	50	



17.5 A, disconnect terminal block

UL, IEC, ERIC, ABS, KVR, ClassNK

<b>Technical data<sup>1)</sup></b>	
Width	5.2
Length	76.4
Height	39.3 (NS 35/7,5)
$I_{max}$ [A]	17.5 <sup>2)</sup>
$U_{max}$ [V]	400 <sup>2)</sup>
max. Ø [mm <sup>2</sup> ]	0.25 - 1.5
AWG (UL)	24-16
Max. bridge current	16 (FBS) / 17.5 (FBSR) [A]
<b>Rated data</b>	
Rated voltage	400 <sup>2)</sup> [V]
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]

<b>Ordering data</b>			
Type	Order No.	Pcs. / Pkt.	
QTC 1,5-TG	① 3205145	50	

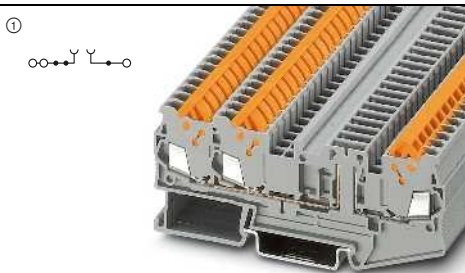
<b>Accessories<sup>1)</sup></b>			
D-QTC 1,5-TWIN	3205190	50	

### Multi-level and disconnect terminal blocks

#### Notes:

1) For additional accessories and technical data, see page 214.

2) Current and voltage are determined by the plug used.



17.5 A, disconnect terminal block, 3 connections

ERIC

#### Technical data<sup>1)</sup>

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Width	5.2
Length	94
Height	39.3 (NS 35/7,5)
$I_{max}$ [A]	17.5
$U_{max}$ [V]	400 <sup>2)</sup>
max. Ø [mm <sup>2</sup> ]	0.25 - 1.5
AWG (UL)	-
Max. bridge current	24 (FBS) / 17.5 (FBSR) [A]
<b>Rated data</b>	
Rated voltage	400 <sup>2)</sup> [V]
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]

Description	Color
<b>Disconnect terminal block</b>	gray

<b>Cover, width 2.2 mm</b>	gray
----------------------------	------

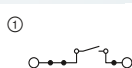
<b>Ordering data</b>			
Type	Order No.	Pcs. / Pkt.	
QTC 1,5-TWIN-TG	① 3050413	50	

<b>Accessories<sup>1)</sup></b>			
D-QTC 1,5-QUATTRO	3205174	50	

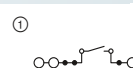


### Knife disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 214.



17.5 A, knife disconnect terminal block



17.5 A, knife disconnect terminal block, 3 connections

UL ENEC ABS KVR ClassNK

ENEC

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	76.4	39.3 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	17.5	400	0.25 - 1.5	24-16
Max. bridge current	16 (FBS) / 17.5 (FBRS)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	400	600	600	-
Nominal current / cross section	17.5 / 1.5	10 / -	10 / -	-

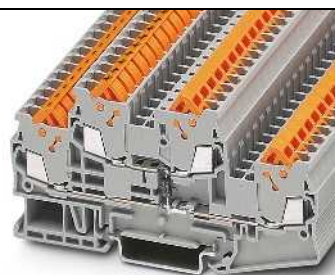
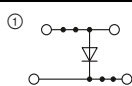
Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	94	39.3 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	17.5	400	0.25 - 1.5	-
Max. bridge current	24 (FBS) / 17.5 (FBRS)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	400	-	-	-
Nominal current / cross section	17.5 / 1.5	-	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 1,5-MT	3205103	50	
Accessories <sup>1)</sup>			
D-QTC 1,5-TWIN	3205190	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 1,5-TWIN-MT	3050407	50	
Accessories <sup>1)</sup>			
D-QTC 1,5-QUATTRO	3205174	50	

### Diode terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 214.



17.5 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

UL ENEC ABS KVR ClassNK

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	5.2	99.6	49.9 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	17.5	500	0.25 - 1.5	24-16
Max. bridge current	24 (FBS) / 17.5 (FBRS)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	17.5 / 1.5	10 / -	10 / -	-

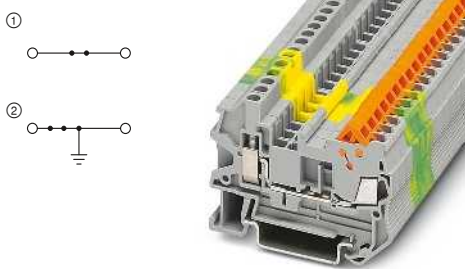
Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTTCB 1,5-DIO/O-U	3206241	50	
Accessories <sup>1)</sup>			
D-QTTCB 1,5	3205187	50	

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> QT... fast connection terminal blocks

### Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm<sup>2</sup>

**Notes:**  
 1) For additional accessories and technical data, see page 214.  
 2) For screw connection rated data, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block

CE, UL, ENEC, EAC, Ex, KEMA 04ATEX2226 U / IECEX KEM 07.0007U

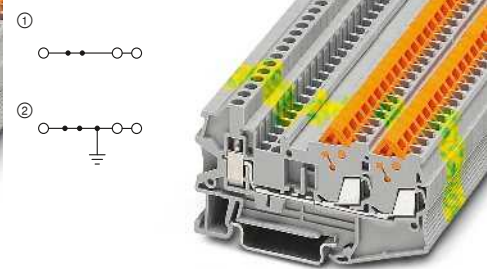
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	58.8	42.8 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
17.5 / 1.5	10 / -	10 / -	16.5 / 1.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTCU 1,5	① 3050015	50	
QTCU 1,5 BU	① 3050028	50	
QTCU 1,5-PE	② 3050031	50	

Accessories <sup>1)</sup>		
D-QTCU 1,5	Order No.	Pcs. / Pkt.
D-QTCU 1,5	3206283	50

Dimensions		[mm]
Max. electrical data		
Max. bridge current	[A]	
Rated data <sup>2)</sup>		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



17.5 A, feed-through terminal block, 3 connections

CE, UL, ENEC, EAC, Ex, KEMA 04ATEX2226 U / IECEX KEM 07.0007U

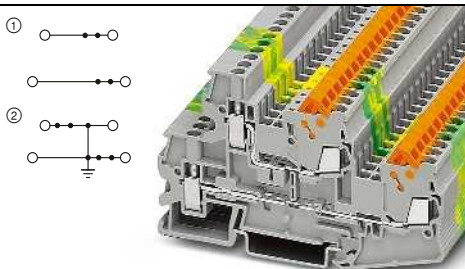
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	76.4	42.8 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
17.5 / 1.5	10 / -	10 / -	17.5 / 1.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTCU 1,5-TWIN	① 3050044	50	
QTCU 1,5-TWIN BU	① 3050057	50	
QTCU 1,5-TWIN-PE	② 3050060	50	

Accessories <sup>1)</sup>		
D-QTCU 1,5-TWIN	Order No.	Pcs. / Pkt.
D-QTCU 1,5-TWIN	3206296	50

### Double-level hybrid terminal blocks with screw connection on one side, 2.5 (4) mm<sup>2</sup>

**Notes:**  
 1) For additional accessories and technical data, see page 214.  
 2) For screw connection rated data, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



17.5 A, double-level terminal block

CE, UL, ENEC, EAC, Ex, KEMA 04ATEX2226 U / IECEX KEM 07.0007U

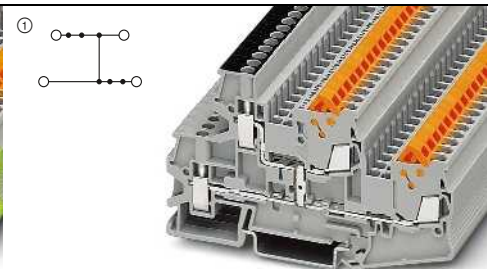
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	55.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
17.5 / 1.5	10 / -	10 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTTCBU 1,5	① 3050264	50	
QTTCBU 1,5 BU	① 3050280	50	
QTTCBU 1,5-PE	② 3050277	50	

Accessories <sup>1)</sup>		
D-QTTCBU 1,5	Order No.	Pcs. / Pkt.
D-QTTCBU 1,5	3050536	50

Dimensions		[mm]
Max. electrical data		
Max. bridge current	[A]	
Rated data <sup>2)</sup>		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	

Description	Color
Terminal block	gray blue gray
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



17.5 A, double-level terminal block with equipotential bond

CE, UL, ENEC, EAC, Ex, KEMA 04ATEX2226 U / IECEX KEM 07.0007U

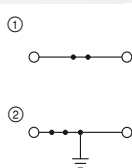
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	93.5	55.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
17.5 / 1.5	10 / -	10 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTTCBU 1,5-PV	① 3050361	50	

Accessories <sup>1)</sup>		
D-QTTCBU 1,5	Order No.	Pcs. / Pkt.
D-QTTCBU 1,5	3050536	50

**Hybrid terminal blocks with spring-cage connection on one side, 2.5 (4) mm<sup>2</sup>**

**Notes:**  
 1) For additional accessories and technical data, see page 214.  
 2) For spring-cage connection rated data, see page 170.  
 For information on installation and using accessories for Ex applications, see page 602.



17.5 A, feed-through terminal block

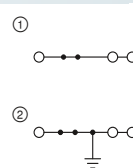
**UL** **IEC** **ERC** **Ex**  
 Ex: **Ex** **IEC**  
 KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	54.4	39.3 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	-	550	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		10 / -	17 / 1.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTCS 1,5	① 3050138	50	
QTCS 1,5 BU	① 3050141	50	
QTCS 1,5-PE	② 3050154	50	

Accessories <sup>1)</sup>		
D-QTCS 1,5	Order No.	Pcs. / Pkt.
D-QTCS 1,5	3206270	50

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data<sup>2)</sup></b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
<b>Terminal block</b>	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray



17.5 A, feed-through terminal block, 3 connections

**UL** **IEC** **ERC** **Ex**  
 Ex: **Ex** **IEC**  
 KEMA 04ATEX2226 U / IECEx KEM 07.0007U

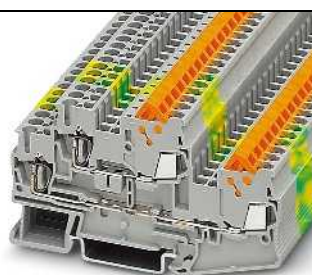
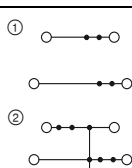
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	71.6	39.3 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	800	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	-	550	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		10 / -	17.5 / 1.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTCS 1,5-TWIN	① 3206348	50	
QTCS 1,5-TWIN BU	① 3206351	50	
QTCS 1,5-TWIN-PE	② 3206364	50	

Accessories <sup>1)</sup>		
D-QTCS 1,5-TWIN	Order No.	Pcs. / Pkt.
D-QTCS 1,5-TWIN	3206403	50

**Double-level hybrid terminal blocks with spring-cage connection on one side, 2.5 (4) mm<sup>2</sup>**

**Notes:**  
 1) For additional accessories and technical data, see page 214.  
 2) For spring-cage connection rated data, see page 170.



17.5 A, double-level terminal block

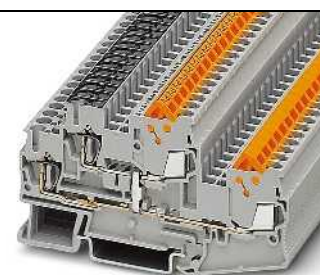
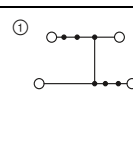
**UL** **IEC** **ERC** **Ex**

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	88.2	49.9 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5 / 1.5		10 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTTCBS 1,5	① 3050222	50	
QTTCBS 1,5 BU	① 3050235	50	
QTTCBS 1,5-PE	② 3050248	50	

Accessories <sup>1)</sup>		
D-QTTCBS 1,5	Order No.	Pcs. / Pkt.
D-QTTCBS 1,5	3206335	50

Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data<sup>2)</sup></b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
<b>Terminal block</b>	gray
	blue
	gray
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray



17.5 A, double-level terminal block with equipotential bonder

**UL** **IEC** **ERC** **Ex**

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	88.2	49.9 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
17.5		10 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTTCBS 1,5-PV	① 3206380	50	

Accessories <sup>1)</sup>		
D-QTTCBS 1,5	Order No.	Pcs. / Pkt.
D-QTTCBS 1,5	3206335	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> QT... fast connection terminal blocks

### General technical data for 2.5 mm<sup>2</sup> QT... fast connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	20 - 14
<b>Connection cross section according to DIN VDE 0295</b>		
H05V(Z) / H07V(Z)	[mm <sup>2</sup> ]	0.5 - 2.5
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm <sup>2</sup> ]	-
[Litz wires Ø ≥ 0.19 mm]	AWG	20 - 14
Frequency of connections with the same cross section		100
<b>General data</b>		
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

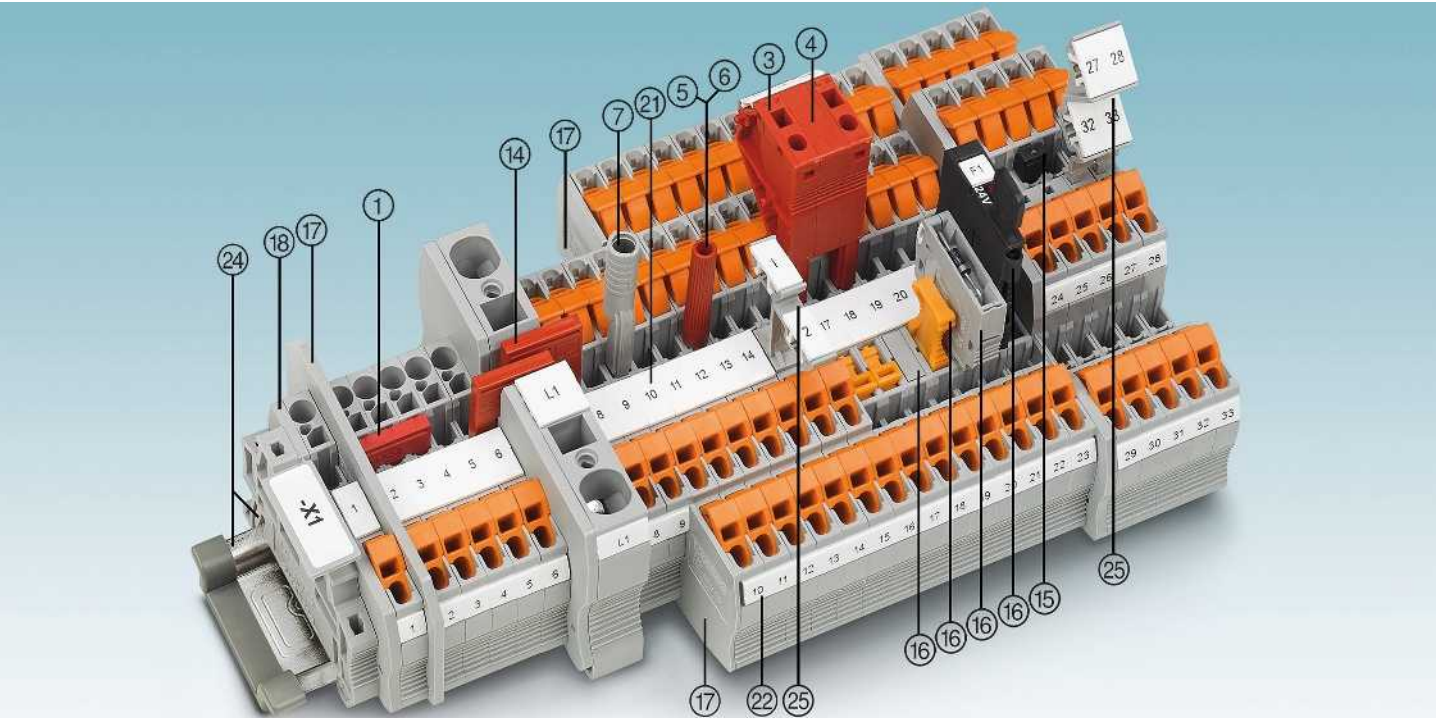


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> QT... fast connection terminal blocks



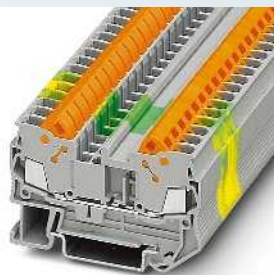
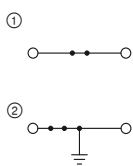
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge
⑮ Vertical potential bridge
⑰ Partition plates/end cover segments
⑱ Cover
⑲ Center groove marking
⑳ Center and lateral groove marking
㉑ DIN rails and end brackets
㉒ Marker carrier
For full accessories, visit phoenixcontact.net/products

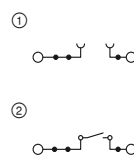
For RB ..., see page 344.
For FBS ..., see page 341.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.
UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
See Catalog 5.
For STP ..., see page 352.
Note: additional or deviating accessories are documented for the product.

**Feed-through and disconnect terminal block**

**Notes:**  
 1) For additional accessories and technical data, see page 220.  
 2) Current and voltage are determined by the plug used.  
 For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block



20 A, disconnect terminal block

UL, IEC, ENEC, ABS, ClassNK  
 Ex:   
 KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	62.6	39.3 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	800	0.5 - 2.5	20-14
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	600	550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 2,5	① 3206416	50	
QTC 2,5 BU	① 3206429	50	
QTC 2,5-PE	② 3206432	50	

Accessories <sup>1)</sup>		
D-QTC 2,5	3206568	50

UL, IEC, ENEC, ABS, ClassNK

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	82.5	39.3 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>2)</sup>	400 <sup>2)</sup>	0.5 - 2.5	20-14
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
400 <sup>2)</sup>	300	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 2,5-TG	① 3206490	50	
QTC 2,5-MT	② 3206487	50	

Accessories <sup>1)</sup>		
D-QTC 2,5-TWIN	3206571	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

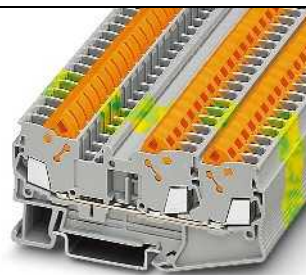
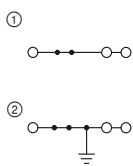
Description	Color
Terminal block	gray
	blue
Knife disconnect terminal block	gray
Ground terminal	green-yellow

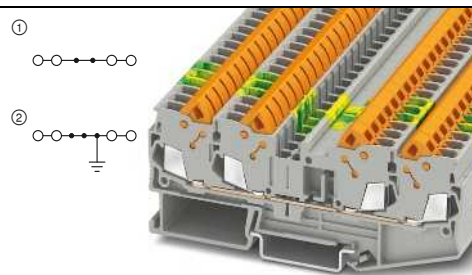
Cover, width 2.2 mm	
	gray

**Multi-conductor terminal blocks**

**Notes:**  
 1) For additional accessories and technical data, see page 220.  
 For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block, 3 connections



24 A, feed-through terminal block, 4 connections

UL, IEC, ENEC, ABS, ClassNK  
 Ex:   
 KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	82.5	39.3 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	800	0.5 - 2.5	20-14
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	600	550
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 2,5-TWIN	① 3206445	50	
QTC 2,5-TWIN BU	① 3206461	50	
QTC 2,5-TWIN-PE	② 3206474	50	

Accessories <sup>1)</sup>		
D-QTC 2,5-TWIN	3206571	50

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	102.4	39.3 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	800	0.5 - 2.5	-
24 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 2,5-QUATTRO	① 3206446	50	
QTC 2,5-QUATTRO BU	① 3206447	50	
QTC 2,5-QUATTRO-PE	② 3206448	50	

Accessories <sup>1)</sup>		
D-QTC 2,5-QUATTRO	3206449	50

Description	Color
Terminal block	gray
	blue
Terminal block, for mounting on NS 35...	green-yellow

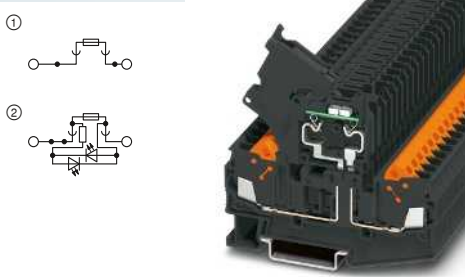
Cover, width 2.2 mm	
	gray

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> QT... fast connection terminal blocks

### Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:
1) For additional accessories and technical data, see page 220.
2) If the fuse is faulty, the downstream circuit is not off load.
3) For max. power dissipation, see page 616.
4) The current is determined by the fuse used, the voltage by the light indicator.



6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses

UL, ENEC, KEMA, ABS, ClassNK, CB

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	82.5	64.9 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
6.3 <sup>3)</sup>	500 <sup>4)</sup>	0.5 - 2.5	20-14	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500 <sup>4)</sup>	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	6.3 / 1.5	15 / -	10 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 2,5-HESI (5X20)	① 3050293	50	
QTC 2,5-HESILED 24 (5X20)	② 3050374	50	
QTC 2,5 HESILED 60 (5X20)	② 3050390	50	
QTC 2,5-HESILA 250 (5X20)	② 3050387	50	

Accessories <sup>1)</sup>		
D-QTC 2,5-TWIN	3206571	50



20 A, lever-type disconnect terminal block, same shape

UL, ENEC, KEMA, ABS, ClassNK

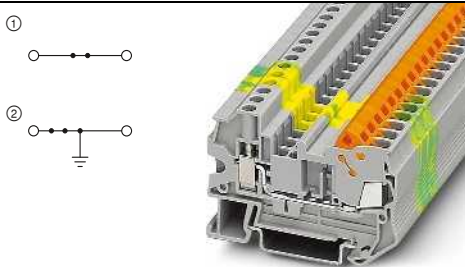
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	82.5	64.9 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20	500	0.5 - 2.5	20-14	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 2.5	15 / -	10 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 2,5-HEDI	① 3206678	50	

Accessories <sup>1)</sup>		
D-QTC 2,5-TWIN	3206571	50

### Hybrid terminal blocks with screw connection on one side, 4 (6) mm<sup>2</sup>

Notes:
1) For additional accessories and technical data, see page 220.
2) For screw connection rated data, visit phoenixcontact.net/products
For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block

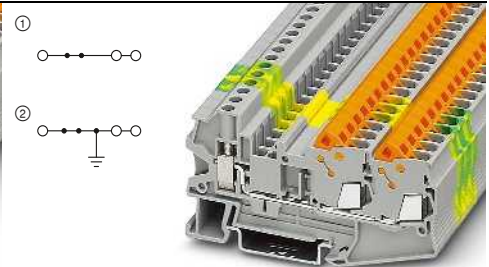
UL, ENEC, KEMA, ABS, ClassNK

Ex: Ex IECEx KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	62.6	42.8 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	800	0.5 - 2.5	20-14	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	22 / 2.5

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTCU 2,5	① 3206539	50	
QTCU 2,5 BU	① 3206542	50	
QTCU 2,5-PE	② 3206555	50	

Accessories <sup>1)</sup>		
D-QTCU 2,5	3206597	50



24 A, feed-through terminal block, 3 connections

UL, ENEC, KEMA, ABS, ClassNK

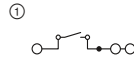
Ex: Ex IECEx KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	82.5	42.8 (NS 35/7,5)		
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	800	0.5 - 2.5	20-14	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	-	550	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	22 / 2.5

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTCU 2,5-TWIN	① 3050303	50	
QTCU 2,5-TWIN BU	① 3050316	50	
QTCU 2,5-TWIN-PE	② 3050329	50	

Accessories <sup>1)</sup>		
D-QTCU 2,5 TWIN	3050510	50

**Hybrid disconnect terminal block with screw connection on one side, 4 (6) mm<sup>2</sup>**



**20 A, knife disconnect terminal block, 3 connections**

**Notes:**  
 1) For additional accessories and technical data, see page 220.  
 2) For screw connection rated data, visit phoenixcontact.net/products



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data<sup>2)</sup></b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	79.3	42.8 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20	400	0.5 - 2.5	-
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
20 / 2.5	-	-	-

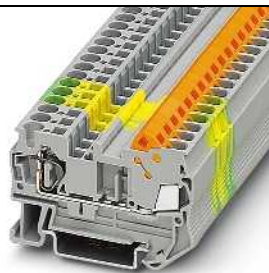
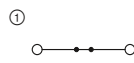
Description	Color
<b>Knife disconnect terminal block</b>	gray blue

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTCU 2,5-TWIN-MT	① 3050304	50
QTCU 2,5-TWIN-MT BU	① 3050317	50

Cover, width 2.2 mm	gray
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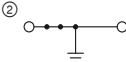
Accessories <sup>1)</sup>		
D-QTCU 2,5-TWIN-MT	3050511	50

**Hybrid terminal blocks with spring-cage connection on one side, 4 (6) mm<sup>2</sup>**



**24 A, feed-through terminal block**

**Notes:**  
 1) For additional accessories and technical data, see page 220.  
 2) For spring-cage connection rated data, see page 186.  
 For information on installation and using accessories for Ex applications, see page 602.



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data<sup>2)</sup></b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]



Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

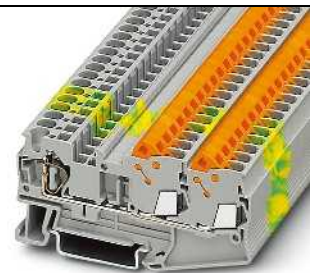
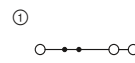
Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	59.7	39.3 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	800	0.5 - 2.5	20-14
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	-	550
24 / 2.5	15 / -	-	22.5 / 2.5

Description	Color
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTCS 2,5	① 3206500	50
QTCS 2,5 BU	① 3206513	50
QTCS 2,5-PE	② 3206526	50

Cover, width 2.2 mm	gray
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Accessories <sup>1)</sup>		
D-QTCS 2,5	3206584	50



**24 A, feed-through terminal block, 3 connections**



Ex: KEMA 05ATEX2148 U / IECEx KEM 07.0010U

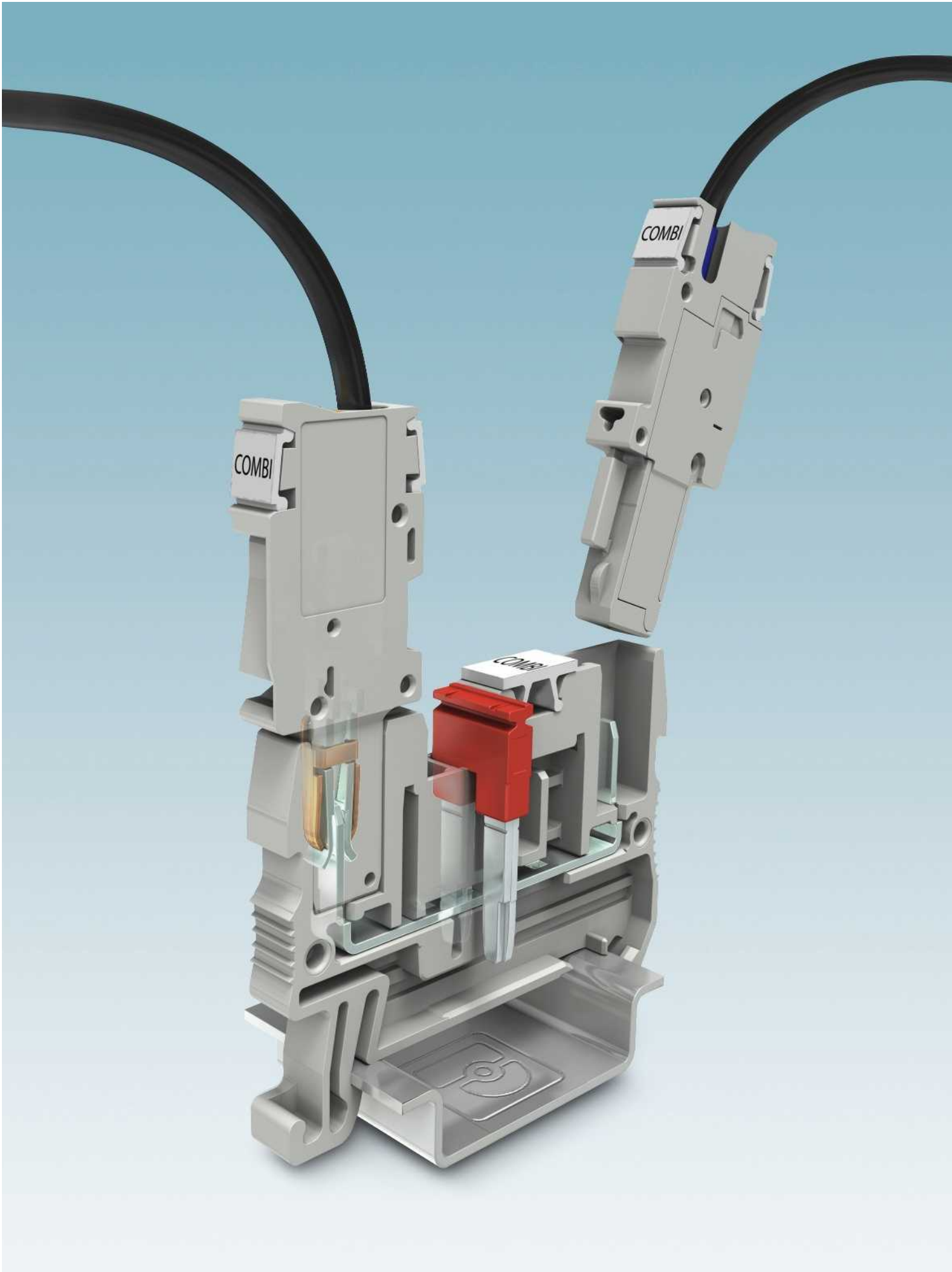
Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	79.6	39.3 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	800	0.5 - 2.5	20-14
32 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	-	550
24 / 2.5	15 / -	-	22.5 / 2.5

Description	Color
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
QTCS 2,5-TWIN	① 3050332	50
QTCS 2,5-TWIN BU	① 3050345	50
QTCS 2,5-TWIN-PE	② 3050358	50

Cover, width 2.2 mm	gray
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Accessories <sup>1)</sup>		
D-QTCS 2,5 TWIN	3050523	50





# COMBI plug-in connection solutions

The COMBI plug-in system enables the time-saving and modular configuration of your application. Its distinguishing feature is its standardized plug-in zone. This makes it possible to freely combine basic terminal blocks, which are available with screw, push-in, spring-cage, and fast connection technology.

The nominal data of up to 41 A and 1000 V has made a plug-in system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the connectors are touch proof.

In addition, all connectors can be individually assembled, i.e., they can be adapted to match the required number of positions in each application. The COMBI plug-in system can be combined with the CES cable entry system (see Catalog 4) by routing the pre-assembled cables with a high degree of protection (IP54) into control cabinets and housing in a manner that saves space. This produces a quick and low-cost alternative to using heavy-duty connectors.

## Product range overview

### 2.5 mm<sup>2</sup> screw connection

Terminal blocks	235
Headers	237
Connectors	238

### 4 mm<sup>2</sup> screw connection

Terminal blocks	241
Test disconnect terminal blocks	243
Headers	245
Connectors	247

### 6 mm<sup>2</sup> screw connection

Terminal blocks	251
Connectors	252

### 1.5 mm<sup>2</sup> push-in connection

Terminal blocks	255
Couplings	258
Connectors	260

### 2.5 mm<sup>2</sup> push-in connection

Terminal blocks	263
Headers	267
Connectors	268

### 4 mm<sup>2</sup> push-in connection

Terminal blocks	271
Headers	272
Connectors	273

### 6 mm<sup>2</sup> push-in connection

Terminal blocks	275
Test disconnect terminal blocks	275
Couplings	278
Connectors	280

### 2.5 mm<sup>2</sup> spring-cage connection

Terminal blocks	283
Couplings and headers	287
Connectors	292

### 4 mm<sup>2</sup> spring-cage connection

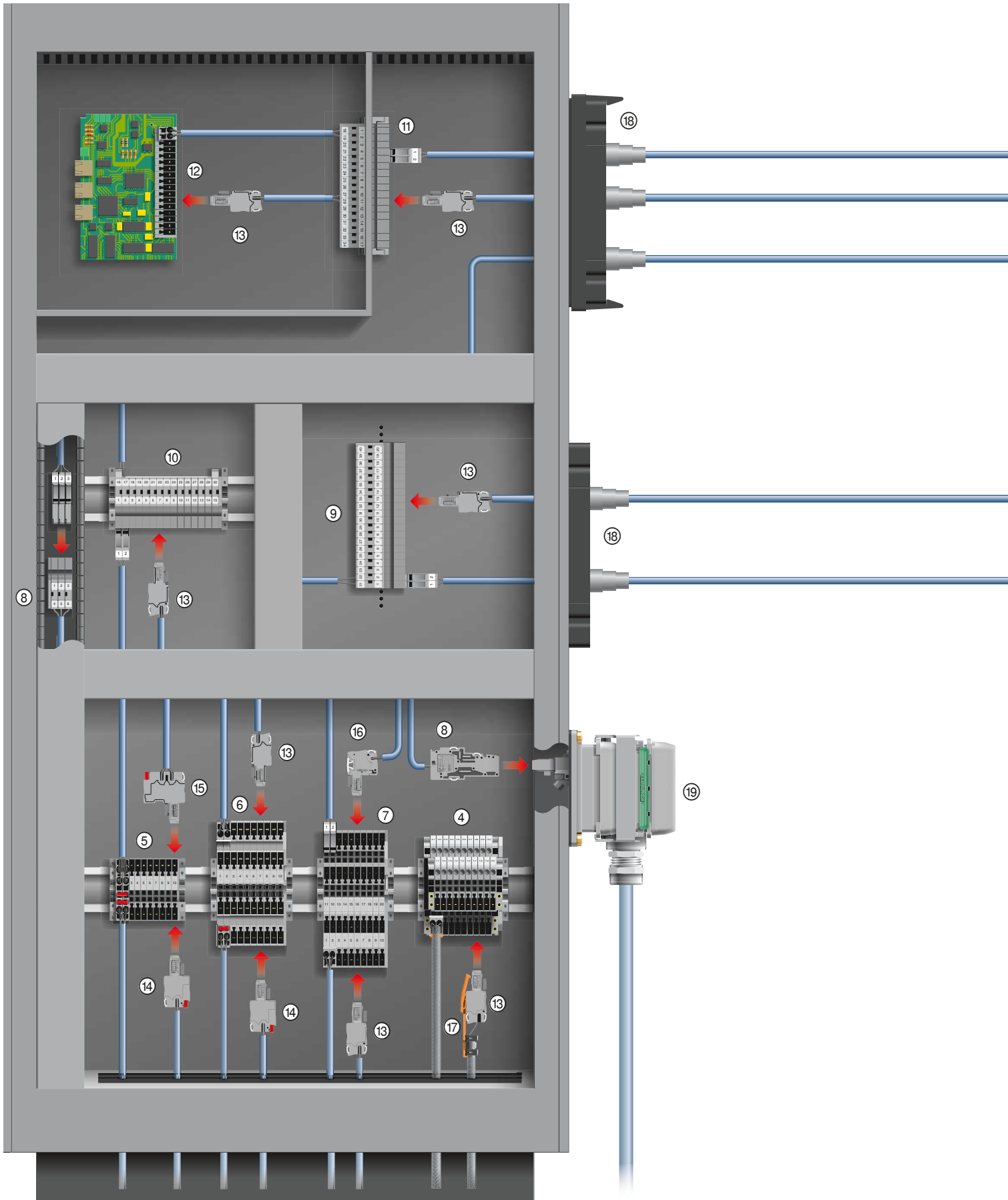
Terminal blocks	299
Couplings and headers	301
Connectors	305

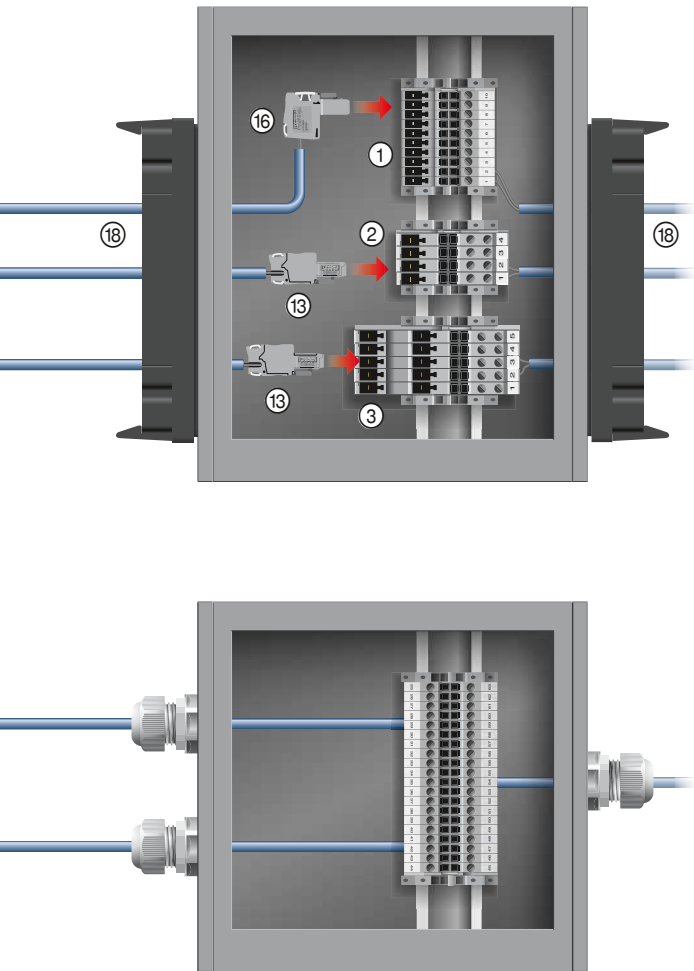
### 1.5 mm<sup>2</sup> fast connection

Terminal blocks	307
Connectors	308

<b>Accessories</b>	<b>310</b>
--------------------	------------

### Cabling options with the COMBI plug-in system





- ① Feed-through terminal blocks with one connector outlet
- ② Multi-conductor terminal blocks with one connector outlet
- ③ Multi-conductor terminal blocks with two connector outlets
- ④ Double-level terminal blocks with one connector outlet per level
- ⑤ PIN/PIN feed-through terminal blocks
- ⑥ PIN/PIN multi-conductor terminal blocks
- ⑦ PIN/PIN double-level terminal blocks
- ⑧ Couplings for free-hanging connections
- ⑨ Couplings with engagement pin for direct mounting
- ⑩ Couplings for DIN rail mounting
- ⑪ Coupling for panel feed-through
- ⑫ Base strip for the PCB connection
- ⑬ Connector with conductor exit in connector-in direction
- ⑭ Bridgeable connector with conductor exit in connector-in direction
- ⑮ Bridgeable two-conductor connector with conductor exit in connector-in direction
- ⑯ Connector with conductor exit perpendicular to connector-in direction
- ⑰ Optional snap-on plug accessories, e.g., latching with shield connection
- ⑱ CES cable entry system with IP54/65 protection, see Catalog 4
- ⑲ DUPLICON IP67 heavy-duty connector, see Catalog 4

From the control cabinet to a complete system - it is impossible to imagine today's applications without plug-in solutions. It is here that the COMBI plug-in system offers users unlimited flexibility. From supplying the control cabinet and the power and control components, right up to the quick installation of distributed system parts, the COMBI plug-in system always delivers the perfect solution.

The advantages of this system are numerous. Plug-in components within the control cabinet can be both installed and uninstalled quickly and easily. The plug-in ring feeders guarantee the safe supply of power between the control cabinets. Free-hanging couplings are not only suitable for wiring in the smallest of spaces; they can also be used to lengthen pre-assembled

cables without any problems.

The COMBI base strips enable the plug-in wiring of electronic devices or components.

The CES cable entry systems allow users to route up to 40 pre-assembled connector into the control cabinet while maintaining degree of protection IP54/65. In the case of increased requirements, such as a degree of protection of up to IP67 or connecting control cabinets in harsh industrial environments, the DUPLICON is the ideal connection component.

The flexible and varied possibilities offered by the COMBI system's standardized plug-in zone have won over some well-known companies. Rittal has opted for the COMBI system and has integrated the plug-in zone into the new RILine 60 device adapter.

# Terminal blocks - CLIPLINE complete

## COMBI plug-in connection solutions

### Terminal block cross-reference list – plugs

#### Terminal block

Plug

		UT screw connection				PT push-in connection	
		UPBV 2,5... Page 238	UPBV 4... Page 247	UP 4... Page 248	UP 6... Page 252	PP-H 1,5/S Page 260	PP-H 2,5 Page 268
<b>Feed-through terminal blocks</b>							
UT 2,5/1P	Page 235						
UT 4/1P, UT 4/ 1P-H	Page 241						
UT 6/1P	Page 251						
PT 1,5/S/1P / MPT 1,5/S/1P	Page 255						
PT 2,5/1P, ST 2,5/1P	Page 263						
PT 4/1P, ST 4/1P	Page 271						
PT 6/1P	Page 275						
QTC 1,5/1P	Page 307						
<b>Feed-through terminal blocks, three connections</b>							
UT 2,5-TWIN/1P	Page 235						
UT 4-TWIN/1P	Page 241						
PT 1,5/S-TWIN/1P	Page 255						
PT 2,5-TWIN/1P, ST 2,5-TWIN/1P	Page 263						
<b>Knife disconnect terminal blocks</b>							
ST 2,5-TWIN-MT/1P	Page 284						
ST 2,5-TWIN-TG/1P	Page 284						
<b>Feed-through terminal blocks, four connections</b>							
UT 4-QUATTRO/2P	Page 241		1)				
UT 6-QUATTRO/2P	Page 251						
PT 1,5/S-QUATTRO/2P	Page 255						
PT 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P	Page 263	1)					
PT 6-QUATTRO/2P	Page 275						
ST 4-QUATTRO/2P	Page 299		1)				
ST 4-QUATTRO/4CP	Page 300		1)	1)			
<b>Feed-through terminal blocks, six connections</b>							
PT 2,5-HEXA/3P	Page 263	1)					
<b>Double-level terminal blocks</b>							
UTT 2,5/2P	Page 235						
PTTB 1,5/S/2P	Page 255						
PTTB 2,5/2P, PTTBS 2,5-TWIN/2P	Page 264						
STTB 2,5/2P	Page 283						
QTTCB 1,5/2P	Page 307						
<b>PIN-PIN versions</b>							
ST 2,5/2P	Page 236						
ST 4/2P	Page 242						
ST 2,5-QUATTRO/4P	Page 265	1)					
STTB 2,5/4P	Page 236						

1) Can only be used on the external connection pin of the basic terminal block.

2) Can only be used on the internal connection pin of the basic terminal block.







3) Can only be used on one side of the basic terminal block.



### Terminal block cross-reference list – couplings

#### Terminal block

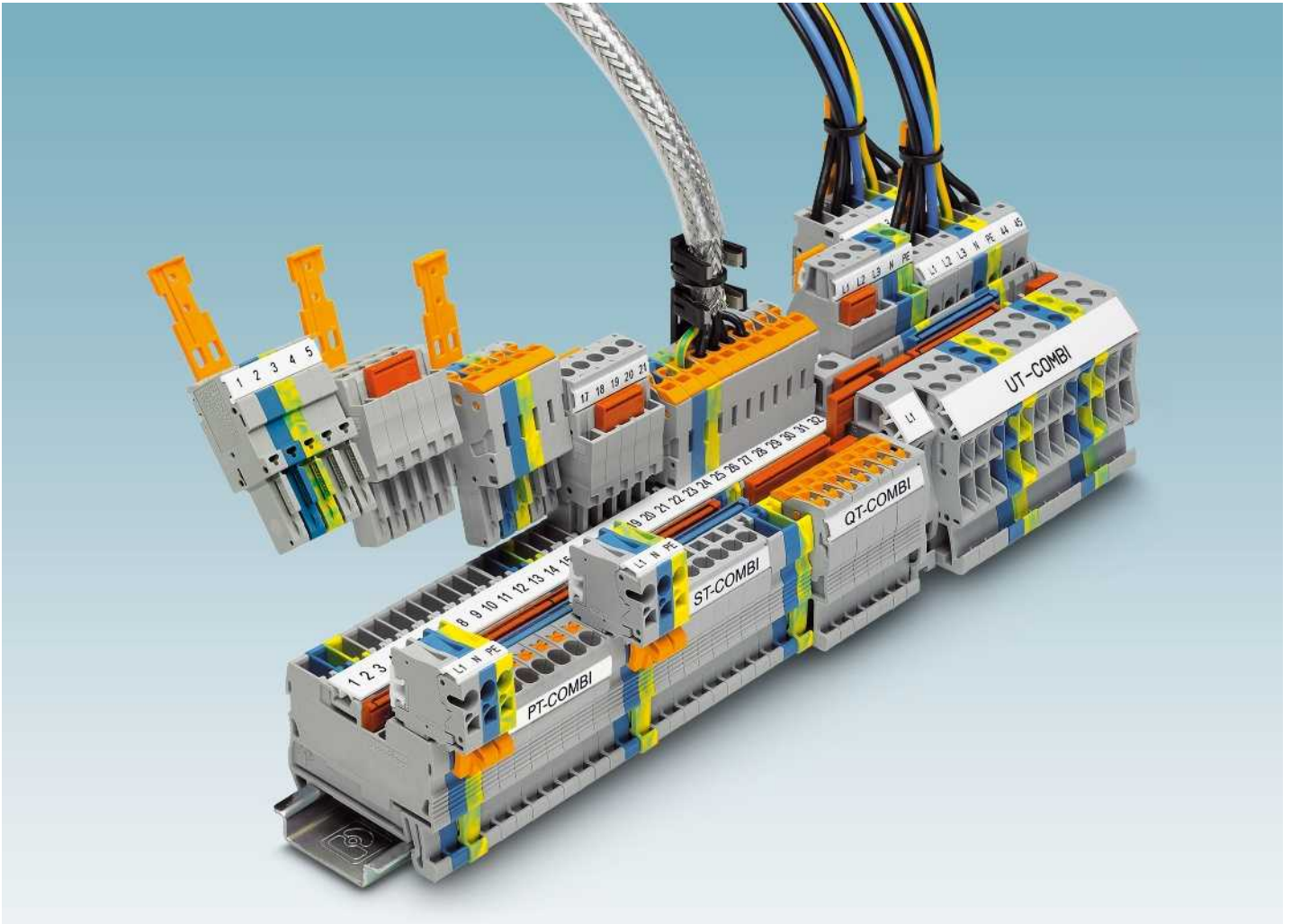
Coupling

UT screw connection				PT push-in connection	
UPBV 2,5... Page 238	UPBV 4... Page 247	UP 4... Page 248	UP 6... Page 252	PP-H 1,5/S Page 260	PP-H 2,5 Page 268
					

#### Couplings

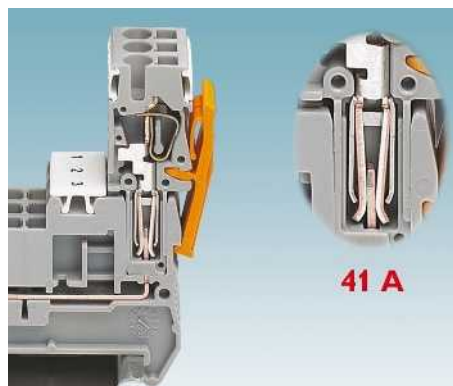
PPC 1,5/S	Page 258							
PPC 6/...	Page 278							
SC 2,5/...	Page 287							
SC 4/...	Page 301							
<b>Couplings with securing pin</b>								
SC 2,5-RZ/...	Page 288							
SC 4-RZ/...	Page 302							
<b>Couplings with snap-on foot</b>								
PPC 1,5/S-NS/1-L	Page 259							
PPC 6-NS/1-L	Page 278							
SC 2,5-NS/1-L	Page 290							
SC 4-NS/1-L	Page 303							
<b>Base strip for PCB connection</b>								
ST 2,5-PCB/...G-5,2	Page 237							
ST 4-PCB/...G-6,2	Page 245							
ST 2,5-PCBV/...G-5,2	Page 237							
ST 4-PCB/...G-6,2	Page 245							





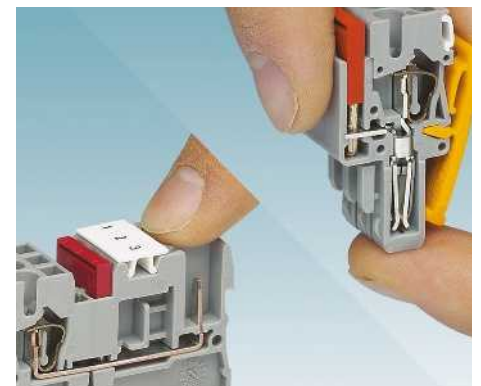
### Flexible and plug-in capable

The COMBI family offers a free choice of connection methods. The standardized COMBI plug-in zone allows terminal blocks and plugs to be combined to suit the application regardless of connection method.



### Powerful contact

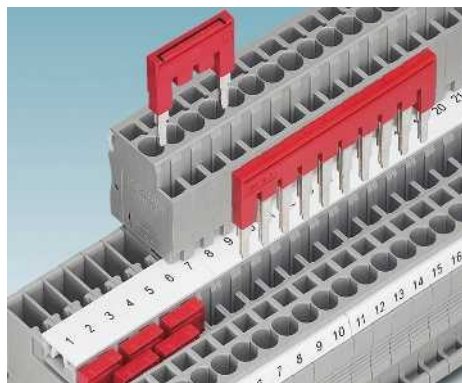
The COMBI plug-in system enables a plug-in wiring solution up to a nominal current of 41 A and a nominal voltage of 1000 V to be implemented. The contact system features an integrated covering spring so that it can withstand extreme vibration levels.



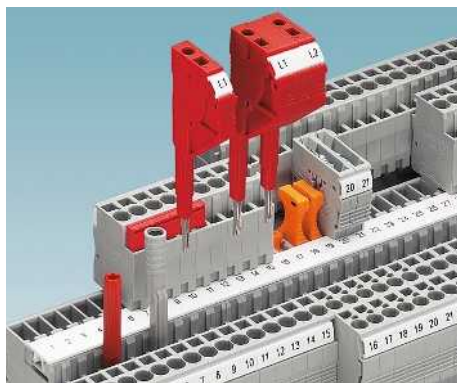
### Touch proof

The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the connectors are touch proof. Alongside the safety aspect, this offers great flexibility for configuration work: the supply may be routed via the terminal blocks or the connectors.

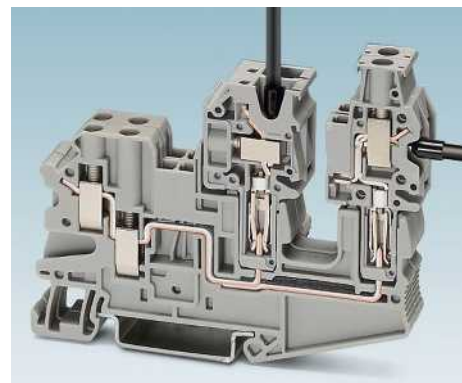




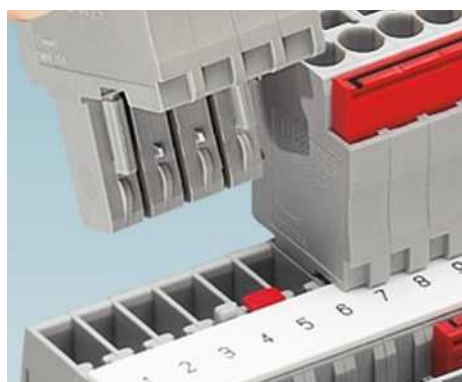
The standardized bridge system enables up to 50 terminal blocks to be connected with one bridge in an efficient manner suited to the application. A jumping bridge can be created by removing individual forks.



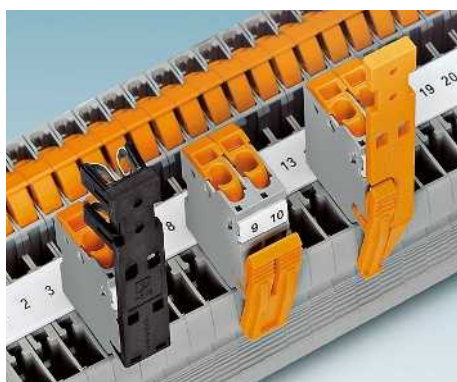
A test plug with a 2.3 mm diameter is available for measuring lines. All measurement and test work can be completed at speed using test adapters for 4 mm diameter test plugs and the modular test plugs.



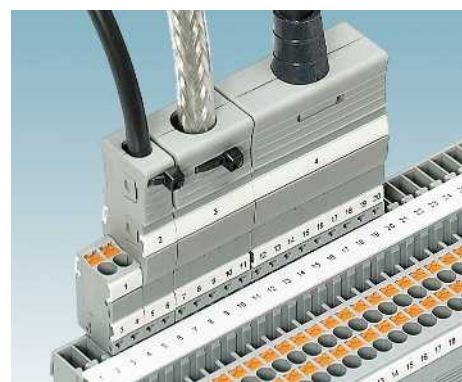
Connectors with different conductor output directions (to the side or upwards) allow for practical, efficient wiring. This results in great flexibility as required in various areas of application.



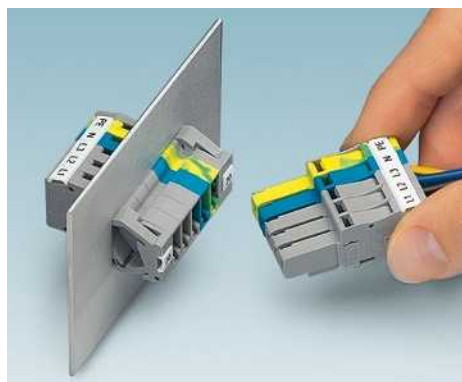
The simple and individual coding option increases wiring reliability and also protects against incorrect connecting. To do this, the pin must be released from the connector, turned and inserted in the basic terminal block.



Snap-on strain relief is available if required to relieve the strain on cables at the connectors. Latching is also available and can be used to permanently fix connectors to basic terminal blocks.



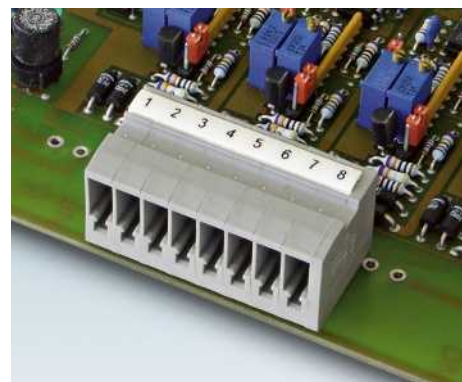
The cable housings are used for robust strain relief. These housings are split in two, making them easy to fit and safe to latch onto the COMBI connectors provided. Bend protection sleeves and shield connections are available as accessories.



Panel feed-throughs can be produced efficiently by simply snapping the SSL panel feed-through onto the standard coupling. The panel feed-through is slid into the cut-out and automatically latches into place.



A coupling version which can be fitted on rails offers a solution for applications with a low build height. The integrated duo foot allows for mounting on both NS 15 and NS 35 DIN rails.



The COMBI base strip is a modular PCB connection. Universal plug-in solutions from the DIN rail through to the device can therefore be implemented with the same connector.

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI UT plug-in connection solutions

### General technical data for 2.5 mm<sup>2</sup> COMBI UT screw connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	26 - 12
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.14 - 4      0.14 - 4      0.14 - 2.5      0.14 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 1.5      0.14 - 1.5      0.14 - 1.5      -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      0.5 - 1.5
<b>General data</b>		
Stripping length	[mm]	9
Insulating material		PA
Inflammability class according to UL 94		V0

**Note: additional or deviating data is documented for the product.**

#### Notes:

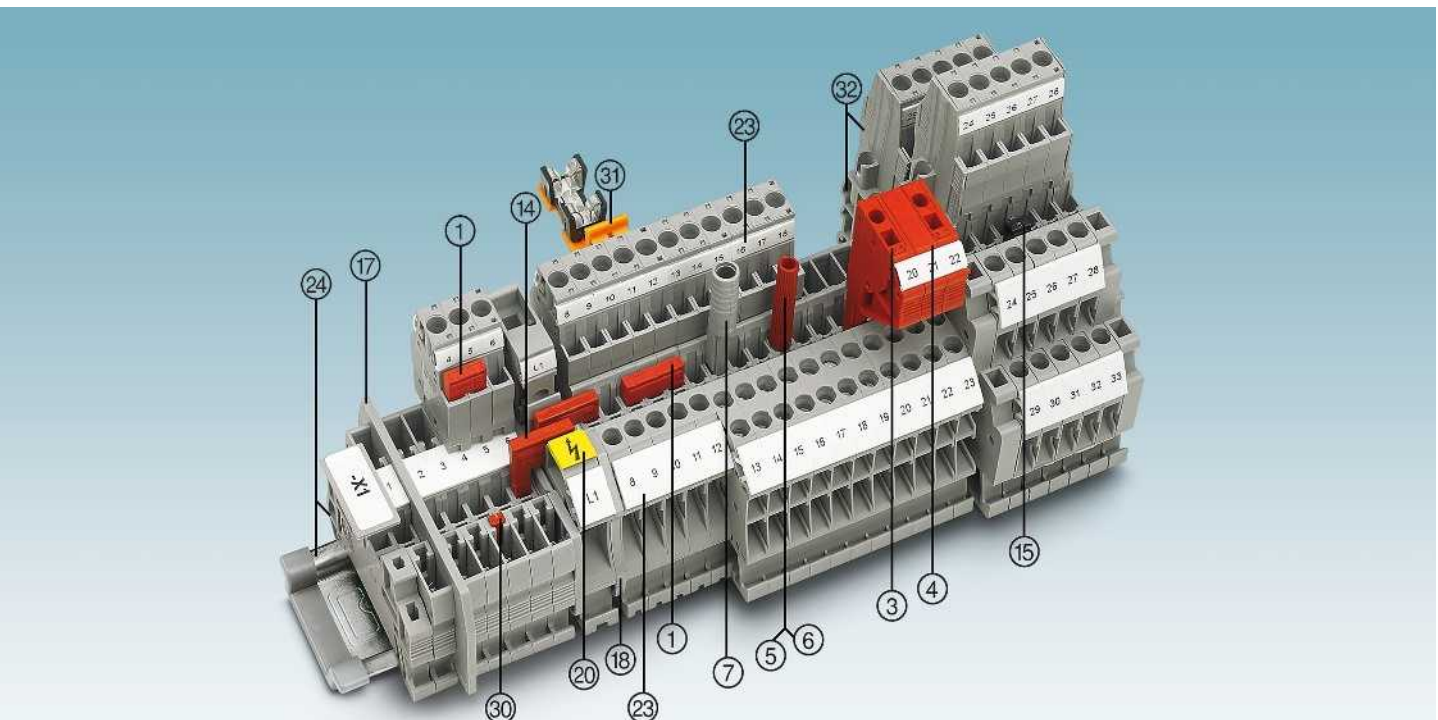


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

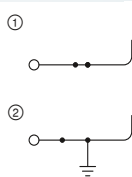
### System accessories for 2.5 mm<sup>2</sup> COMBI UT screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑧ Coding profile		red	PC	3040588	50			
Screwdriver			SF-SL 0,6X3,5-100 S-VDE	1212587	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑮ Vertical potential bridge			For FBS-PV ..., see page 341.					
⑰ Partition plates/end cover segments			For ATP-... / DS-..., visit phoenixcontact.net/products					
⑲ Cover			Documented for the product.					
⑳ Warning labels			For WS ..., see page 353.					
㉑ Lateral groove marking			Terminal block: UC-TM 5, UCT-TM 5 or ZB 5. Plug: UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.					
㉒ DIN rails and end brackets			See Catalog 5.					
㉓ Latching, strain relief, shielding			See page 312 onwards.					
㉔ Screw flanges, screw flange cover			See page 320 onwards.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

**Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals**

**Notes:**  
 1) For additional accessories and technical data, see page 234.  
 2) For derating curve, visit phoenixcontact.net/products  
 For screw flange, see page 320.



24 A, feed-through terminal block

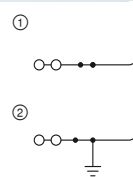


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	49.1	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 <sup>2)</sup> / 2.5	20 / -	20 / -	-	
Connection capacity		Ferrule		
solid	stranded	without/with plastic sleeve		
0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-	
-	-	-	0.5 - 1.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5/1P	① 3045017	50	
UT 2,5/1P BU	① 3045020	50	
UT 2,5/1P-PE	② 3045033	50	

Accessories <sup>1)</sup>		
D-UT 2,5/1P	Order No.	Pcs. / Pkt.
D-UT 2,5/1P	3047154	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Connection capacity	
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Description	Color
Terminal block	gray blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



24 A, feed-through terminal block, 3 connections



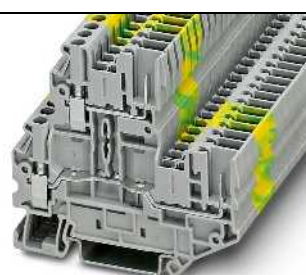
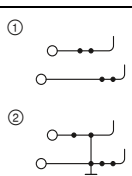
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	55.7	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	300	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 <sup>2)</sup> / 2.5	20 / -	-	-	
Connection capacity		Ferrule		
solid	stranded	without/with plastic sleeve		
0.14 - 1.5	0.14 - 1.5	0.14 - 1	-	
-	-	-	0.5 - 1	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 2,5-TWIN/1P	① 3060490	50	
UT 2,5-TWIN/1P BU	① 3060500	50	
UT 2,5-TWIN/1P-PE	② 3060513	50	

Accessories <sup>1)</sup>		
D-UT 4-TWIN/ 1P	Order No.	Pcs. / Pkt.
D-UT 4-TWIN/ 1P	3045237	50

**Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals**

**Notes:**  
 1) For additional accessories and technical data, see page 234.  
 2) For derating curve, visit phoenixcontact.net/products  
 For screw flange, see page 320.



24 A, feed-through terminal block

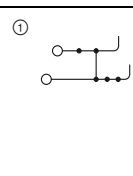


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	74.3	65 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 <sup>2)</sup> / 2.5	20 / -	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 2,5/2P	① 3060351	50	
UTTB 2,5/2P BU	① 3060364	50	
UTTB 2,5/2P-PE	② 3060380	50	

Accessories <sup>1)</sup>		
D-UTTB 2,5/4 2P	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4 2P	3060393	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
Terminal block	gray blue gray blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



24 A, double-level terminal block with equipotential bond



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	74.3	65 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 <sup>2)</sup> / 2.5	20 / -	-	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UTTB 2,5/2P-PV	① 3060377	50	
UTTB 2,5/2P-PV BU	① 3060487	50	

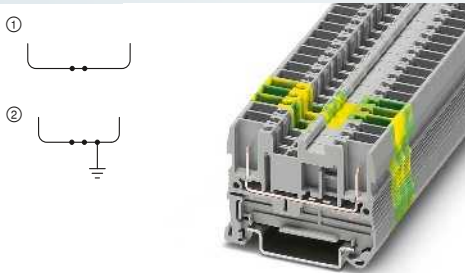
Accessories <sup>1)</sup>		
D-UTTB 2,5/4 2P	Order No.	Pcs. / Pkt.
D-UTTB 2,5/4 2P	3060393	50

# Terminal blocks - CLIPLINE complete

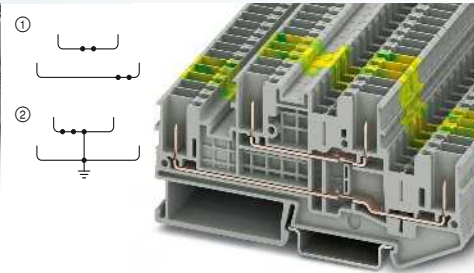
## 2.5 mm<sup>2</sup> COMBI UT plug-in connection solutions

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 234.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



24 A, feed-through terminal block



22 A, double-level terminal block



<b>Dimensions</b>	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray
	blue
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	49.1	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
24 <sup>2)</sup> / 2.5	20 / -	20 / -	-	
28 - 12	-	-	-	
Connection capacity		Ferrule		
solid	stranded	without/with plastic sleeve		
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	
-	-	-	0.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5/2P	① 3042133	50	
ST 2,5/2P BU	① 3042094	50	
ST 2,5/2P-PE	② 3042146	50	

Accessories <sup>1)</sup>		
D-ST 2,5	Order No.	Pcs. / Pkt.
D-ST 2,5	3030417	50

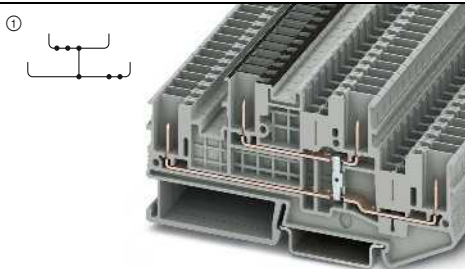
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	98.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22 <sup>2)</sup>	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
22 <sup>2)</sup> / 2.5	20 / -	20 / -	-	
28 - 12	-	-	-	
Connection capacity		Ferrule		
solid	stranded	without/with plastic sleeve		
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	
-	-	-	0.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5/4P	① 3061486	50	
STTB 2,5/4P BU	① 3061512	50	
STTB 2,5/4P-PE	② 3061499	50	

Accessories <sup>1)</sup>		
D-STTB 2,5/4P	Order No.	Pcs. / Pkt.
D-STTB 2,5/4P	3061538	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 234.



22 A, double-level terminal block with equipotential bonding



<b>Dimensions</b>	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray
<b>Cover, width 2.2 mm</b>	

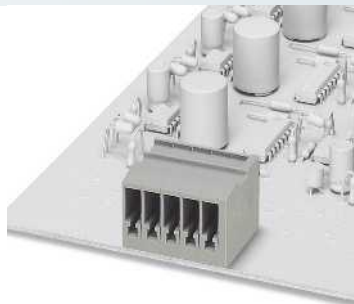
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	98.8	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
22 / 2.5	20 / -	20 / -	-	
28 - 12	-	-	-	
Connection capacity		Ferrule		
solid	stranded	without/with plastic sleeve		
0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	
-	-	-	0.5	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5/4P-PV	① 3061509	50	

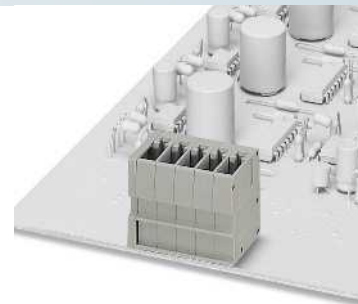
Accessories <sup>1)</sup>		
D-STTB 2,5/4P	Order No.	Pcs. / Pkt.
D-STTB 2,5/4P	3061538	50

COMBI headers for PCB connection

**Notes:**  
For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction



Technical data			
Width	Length	Height	
10.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	-	-
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	-
Rated cross section [mm <sup>2</sup> ]	2.5	-	-
General data			
Insulating material	PA		
Inflammability class according to UL 94	V0		



Technical data			
Width	Length	Height	
10.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	-	-
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	-
Rated cross section [mm <sup>2</sup> ]	2.5	-	-
General data			
Insulating material	PA		
Inflammability class according to UL 94	V0		

Ordering data			
Description	No. of pos.	Width	Color
COMBI header	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	COMBI header	2	10.4 mm
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray

Type	Order No.	Pcs. / Pkt.
ST 2,5-PCB/ 2-G-5,2	1980378	50
ST 2,5-PCB/ 3-G-5,2	1980381	50
ST 2,5-PCB/ 4-G-5,2	1980394	50
ST 2,5-PCB/ 5-G-5,2	1980404	50
ST 2,5-PCB/ 6-G-5,2	1980417	50
ST 2,5-PCB/ 7-G-5,2	1980420	50
ST 2,5-PCB/ 8-G-5,2	1980433	50
ST 2,5-PCB/ 9-G-5,2	1980446	50
ST 2,5-PCB/10-G-5,2	1980459	50
ST 2,5-PCB/11-G-5,2	1980462	50
ST 2,5-PCB/12-G-5,2	1980475	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-PCBV/ 2-G-5,2	1980488	50
ST 2,5-PCBV/ 3-G-5,2	1980491	50
ST 2,5-PCBV/ 4-G-5,2	1980501	50
ST 2,5-PCBV/ 5-G-5,2	1980514	50
ST 2,5-PCBV/ 6-G-5,2	1980527	50
ST 2,5-PCBV/ 7-G-5,2	1980530	50
ST 2,5-PCBV/ 8-G-5,2	1980543	50
ST 2,5-PCBV/ 9-G-5,2	1980556	50
ST 2,5-PCBV/10-G-5,2	1980569	50
ST 2,5-PCBV/11-G-5,2	1980572	50
ST 2,5-PCBV/12-G-5,2	1980585	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI UT plug-in connection solutions

### COMBI connectors



- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

#### UPBV... plugs

- Bridgeable with the FBS... standard bridges
- Side conductor connection
- Screw actuation from above
- The connected conductors can be passed directly into the cable duct to save space

Notes:
1) For additional accessories and technical data, see page 234.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection at a right angle to the plug-in direction



Dimensions	[mm]
5.2 x Number of positions	
Max. electrical data	
$I_{max}$ [A]	$U_{max}$ [V]
24 <sup>2)</sup>	500
24 (FBS) / 17.5 (FBSR)	
Rated data	
Rated voltage	[V]
500	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
24 <sup>2)</sup> / 2.5	20 / -
Connection capacity	
solid	stranded
Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
-	-
-	0.5 - 1

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	20.5	47	32.2
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.14 - 4	26-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
24 <sup>2)</sup> / 2.5	20 / -	-	-
solid		stranded	
		Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	0.5 - 1

Description	No. of pos.	Width	Color
Connector	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
	1	5.2 mm	blue
	1	5.2 mm	green-yellow

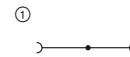
Ordering data		
Type	Order No.	Pcs. / Pkt.
UPBV 2,5/ 1	① 3045145	50
UPBV 2,5/ 2	① 3045402	50
UPBV 2,5/ 3	① 3045415	50
UPBV 2,5/ 4	① 3045428	50
UPBV 2,5/ 5	① 3045431	50
UPBV 2,5/ 6	① 3045444	25
UPBV 2,5/ 7	① 3045457	25
UPBV 2,5/ 8	① 3045460	25
UPBV 2,5/ 9	① 3045473	25
UPBV 2,5/10	① 3045499	25
UPBV 2,5/11	① 3045509	10
UPBV 2,5/12	① 3045512	10
UPBV 2,5/13	① 3045525	10
UPBV 2,5/14	① 3045538	10
UPBV 2,5/15	① 3045541	10
UPBV 2,5/ 1 BU	① 3045240	50
UPBV 2,5/ 1 GNYE	① 3045253	50

Strain relief, for UPBV... connectors, 2-pos.	black
Latching, for UPBV... connectors, 2-pos.	orange
Latching and strain relief, for UPBV... connectors, 2-pos.	orange
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray

Accessories <sup>1)</sup>	
UPZ/ 2	3045554 50
UPR/ 2	3045567 50
UPRZ	3045570 50
DF-UPBV 2,5/ 4	3060432 50

COMBI connectors for self-assembly

<b>Notes:</b>
1) For additional accessories and technical data, see page 234.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection at a right angle to the plug-in direction



<b>Dimensions</b>	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	20.5	47	32.2
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.14 - 4	26-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
24 <sup>2)</sup> / 2.5	20 / -	-	-
solid	stranded	Ferrule without/with plastic sleeve	
-	-	-	0.5 - 1

Description	No. of pos.	Color
Connector, left element	1	gray
	1	blue
	1	green-yellow
Connector, center element	1	gray
	1	blue
	1	green-yellow
Connector, right element	1	gray
	1	blue
	1	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
UPBV 2,5/ 1-L	① 3045318	50
UPBV 2,5/ 1-L BU	① 3045321	50
UPBV 2,5/ 1-L GNYE	① 3045334	50
UPBV 2,5/ 1-M	① 3045347	50
UPBV 2,5/ 1-M BU	① 3045350	50
UPBV 2,5/ 1-M GNYE	① 3045363	50
UPBV 2,5/ 1-R	① 3045376	50
UPBV 2,5/ 1-R BU	① 3045389	50
UPBV 2,5/ 1-R GNYE	① 3045392	50

Strain relief, for UPBV... connectors, 2-pos.	black
Latching, for UPBV... connectors, 2-pos.	orange
Latching and strain relief, for UPBV... connectors, 2-pos.	orange
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	gray

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
UPZ/ 2	3045554	50
UPR/ 2	3045567	50
UPRZ	3045570	50
DF-UPBV 2,5/ 4	3060432	50

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI UT plug-in connection solutions

### General technical data for 4 mm<sup>2</sup> COMBI UT screw connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm <sup>2</sup> ]	4			
Cross section range	AWG	26 - 10			
Connection capacity		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

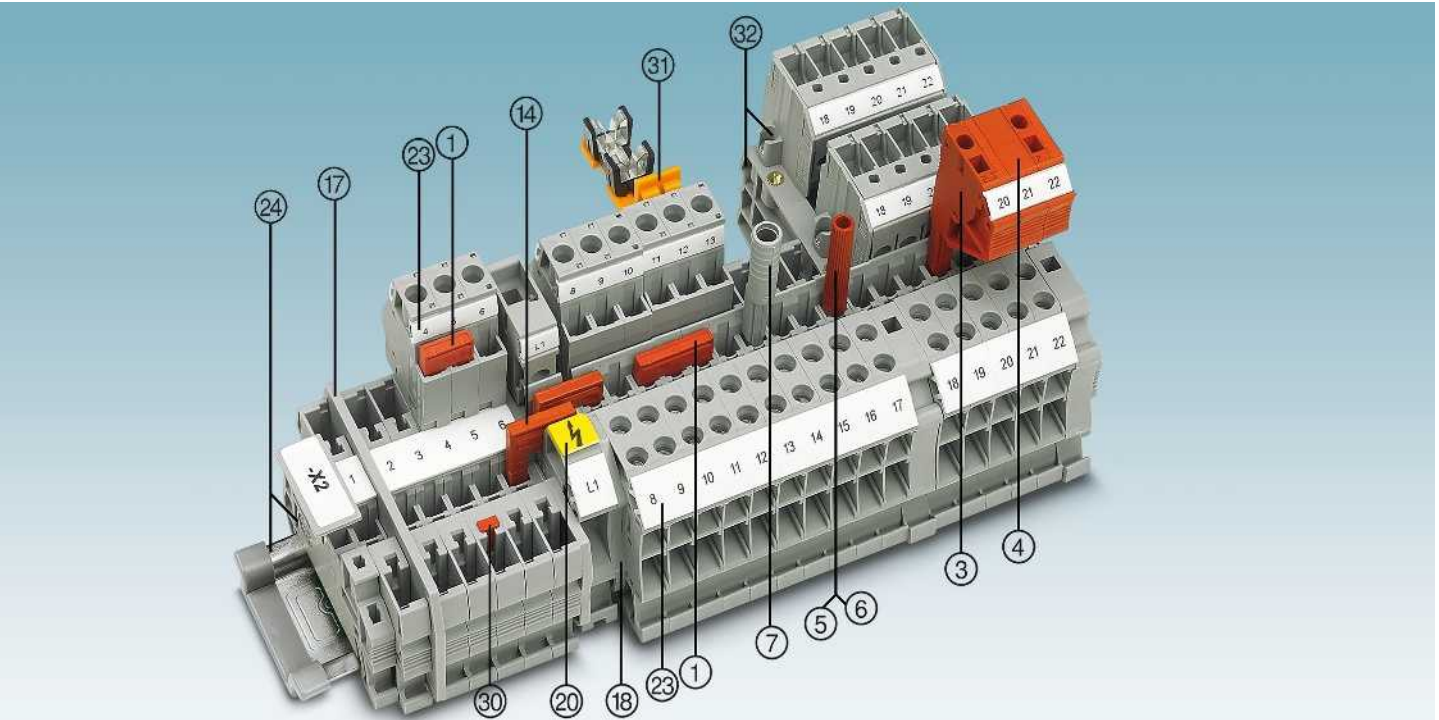


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 4 mm<sup>2</sup> COMBI UT screw connection terminal blocks

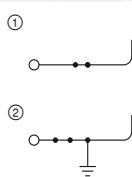


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑧ Coding profile		red	PC	3040588	50			
Screwdriver			SF-SL 0,6X3,5-100 S-VDE	1212587	10			
⑭ Reducing bridge	For RB ..., see page 344.							
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products							
⑲ Cover	Documented for the product.							
⑳ Warning labels	For WS ..., see page 353.							
㉑ Lateral groove marking	Terminal block: UC-TM 6, UCT-TM 6 or ZB 6 Plug: UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100. See Catalog 5.							
㉒ DIN rails and end brackets	See page 312 onwards.							
㉓ Latching, strain relief, shielding	See page 320 onwards.							
㉔ Screw flanges, screw flange cover	Note: additional or deviating accessories are documented for the product.							
For full accessories, visit phoenixcontact.net/products								

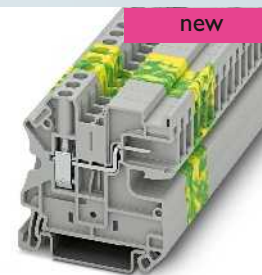
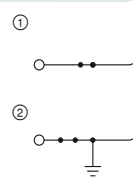


### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.



32 A, feed-through terminal block



32 A, feed-through terminal block, horizontal plug-in connection



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	47.6	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -	30 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4/ 1P	① 3045583	50	
UT 4/ 1P BU	① 3045596	50	
UT 4/ 1P-PE	② 3045606	50	

Accessories <sup>1)</sup>		
D-UT 2,5/1P	Order No.	Pcs. / Pkt.
D-UT 2,5/1P	3047154	50

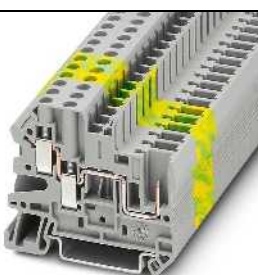
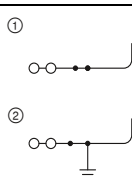
Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	49.8	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.14 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4/ 1P-H	① 3001369	50	
UT 4/ 1P-H-PE	② 3001372	50	

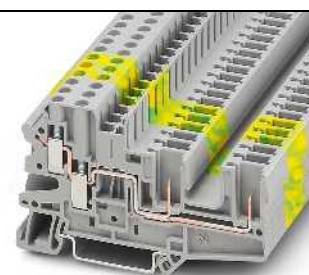
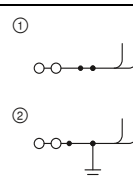
Accessories <sup>1)</sup>		
D-UT 4/1P-H	Order No.	Pcs. / Pkt.
D-UT 4/1P-H	3001382	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.



32 A, feed-through terminal block, 3 connections



32 A, feed-through terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	55.7	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -	30 / -

Connection capacity	Ferrule	without/with plastic sleeve
2 stranded conductors with a TWIN ferrule	-	-
		0.5 - 1

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-TWIN/ 1P	① 3060267	50	
UT 4-TWIN/ 1P BU	① 3060270	50	
UT 4-TWIN/ 1P-PE	② 3060283	50	

Accessories <sup>1)</sup>		
D-UT 4-TWIN/ 1P	Order No.	Pcs. / Pkt.
D-UT 4-TWIN/ 1P	3045237	50

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	82.4	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.14 - 6	26-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -	30 / -

Connection capacity	Ferrule	without/with plastic sleeve
-	-	-
		0.5 - 1

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 4-QUATTRO/ 2P	① 3060296	50	
UT 4-QUATTRO/ 2P BU	① 3060306	50	
UT 4-QUATTRO/ 2P-PE	② 3060319	50	

Accessories <sup>1)</sup>		
D-UT 4-QUATTRO/ 2P	Order No.	Pcs. / Pkt.
D-UT 4-QUATTRO/ 2P	3045648	50

# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI UT plug-in connection solutions

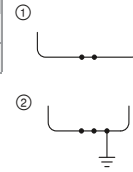
### COMBI plug-in PIN/PIN double-level and ground terminals



- For the PIN/PIN versions of the COMBI series, connectors can be used on both sides of the terminal blocks
- This makes the COMBI system even more flexible as the terminal blocks are used as the connection element for modules
- Connection with standard COMBI connectors
- The extensive range of accessories, such as latching, strain relief, coding, and shield connection can be used
- Ground terminals with the same shape and pitch
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of IEC 60947-7-2 standard are met

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

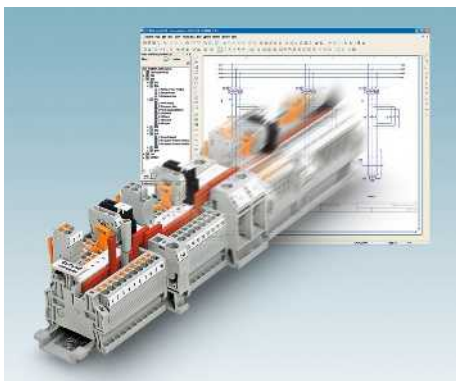


Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Description	
Description	Color
Terminal block	gray blue
Ground terminal	green-yellow
Cover, width 2.2 mm	
	gray

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	55.9	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.08 - 6	-	
IEC	UL / CUL	CSA	Ex	
32 (FBS) / 24 (FBSR)				
Rated voltage				
800	-	-		
Nominal current / cross section				
32 <sup>2)</sup> / 4	-	-		
Cross section range				
28 - 10	-	-		
Connection capacity		Ferrule		
		without/with plastic sleeve		
1 conductor		0.08 - 6	0.08 - 4	0.14 - 4
2 stranded conductors with a TWIN ferrule		-	-	0.5 - 1

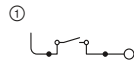
Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4/ 2P	① 3042735	50	
ST 4/ 2P BU	① 3043789	50	
ST 4/ 2P-PE	② 3042748	50	

Accessories <sup>1)</sup>		
D-ST 4	3030420	50



Test disconnect terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products

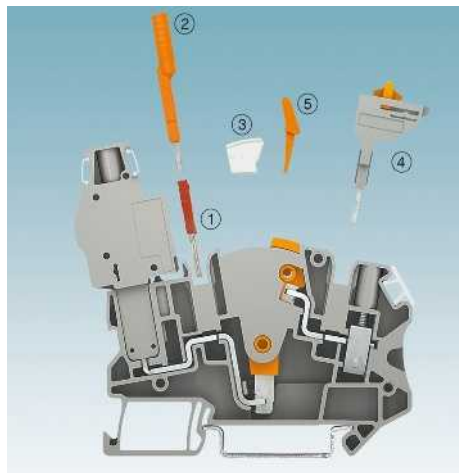


28 A, test disconnect terminal block



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	6.2	71.1	47.7 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	28 <sup>2)</sup>	500	0.14 - 6	26-10
	32 (FBS) / 24 (FBSR)			
Max. bridge current	[A]	IEC	UL / CUL	CSA
Rated data		500	600	600
Rated voltage	[V]	28 <sup>2)</sup> / 4	25 / -	25 / -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
Ordering data				
Description	Type	Order No.	Pcs. / Pkt.	
Terminal block	UTME 4/1P	3057416	50	
Accessories <sup>1)</sup>				
Cover, width 2.2 mm	D-UTME 4/1P	3057429	10	

Supplementary accessories for UTME 4/1P test disconnect terminal blocks



- Only two UTME 4/1P test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

- 1) FBS... jumper for cross connection
- 2) 4 mm Ø PAI-4-FIX... test plug adapter
- 3) S-ME 4 switching lock
- 4) SB-ME... switching jumper
- 5) C-ME 4/2 connection bridge

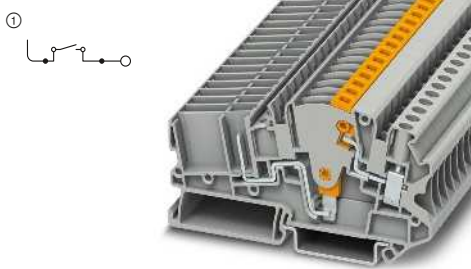
Ordering data					
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	PAI-4-FIX-5/6 OG	3035974	10
	1	yellow	PAI-4-FIX-5/6 YE	3035977	10
	1	green	PAI-4-FIX-5/6 GN	3035978	10
	1	violet	PAI-4-FIX-5/6 VT	3035979	10
	1	black	PAI-4-FIX-5/6 BK	3035980	10
	1	blue	PAI-4-FIX-5/6 BU	3035975	10
	1	red	PAI-4-FIX-5/6 RD	3035976	10
	1	gray	PAI-4-FIX-5/6 GY	3035982	10
	1	brown	PAI-4-FIX-5/6 BN	3035981	10
Switching lock, plug-in		white	S-ME 4	3035758	10
Switching jumper, plug-in	2	gray/orange	SB-ME 2-6	3035755	10
	3	gray/orange	SB-ME 3-6	3035756	10
	4	gray/orange	SB-ME 4-6	3035757	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	C-ME 4/2	3035759	10
	3	orange	C-ME 4/3	3035760	10

# Terminal blocks - CLIPLINE complete

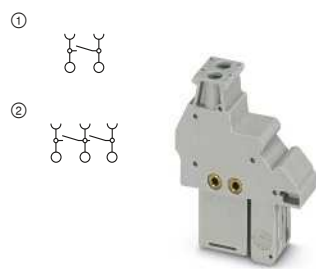
## 4 mm<sup>2</sup> COMBI UT plug-in connection solutions

### Test disconnect terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products



28 A, current transformer disconnect terminal block



20 A, connector, with integrated short-circuit function



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	86.5	49.5 (NS 35/7,5)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
28	500	0.14 - 6	26-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
28 <sup>2)</sup> / 4	25 / -	25 / -	-
<b>Connection capacity</b>		Ferrule without/with plastic sleeve	
solid	stranded		
0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
-	-	-	0.5 - 2.5

Technical data <sup>1)</sup>			
Width	Length	Height	
12.4	38.5	48.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
20	320	0.14 - 6	26-10
-	-	-	-
IEC	UL / CUL	CSA	Ex
320	300	300	-
20 / 4	25 / -	25 / -	-
<b>Connection capacity</b>		Ferrule without/with plastic sleeve	
solid	stranded		
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
-	-	-	0.5 - 1

<b>Description</b>	<b>Color</b>
Terminal block	gray
Connector, with integrated short-circuit function, 2-pos.	gray
3-pos.	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTME 4-CT/1P	3057432	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
UPCT 4/2	3057461	10
UPCT 4/3	3057458	10

<b>Cover, width 2.2 mm</b>	gray
----------------------------	------

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UTME 4-CT/1P	3057445	10

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.

### Supplementary accessories for UTME 4-CT/1P test disconnect terminal blocks

<b>Notes:</b>
1) The coding set can be used to code up to 30 connectors.



- Only two UTME 4-CT/1P test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

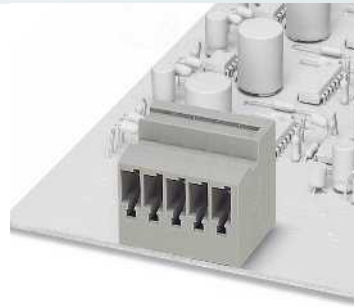
- 1) FBS... jumper for cross connection
- 2) 4 mm Ø PAI-4-FIX... test plug adapter
- 3) S-ME 4 switching lock
- 4) SB-ME... switching jumper
- 5) C-ME 4/2 connection bridge
- 6) PC-CT 6... coding set

Description	No. of pos.	Color
<b>Test adapter</b> , for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
<b>Switching lock</b> , plug-in		white
<b>Switching jumper</b> , plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
<b>Operating lever</b> , for actuating 2 test disconnect terminal blocks	2	orange
	3	orange
<b>Coding set</b> , for 2-pos. connectors <sup>1)</sup>		red

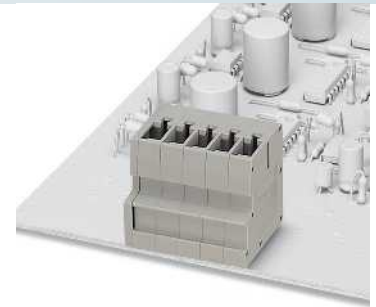
Ordering data		
Type	Order No.	Pcs. / Pkt.
PAI-4-FIX-5/6 OG	3035974	10
PAI-4-FIX-5/6 YE	3035977	10
PAI-4-FIX-5/6 GN	3035978	10
PAI-4-FIX-5/6 VT	3035979	10
PAI-4-FIX-5/6 BK	3035980	10
PAI-4-FIX-5/6 BU	3035975	10
PAI-4-FIX-5/6 RD	3035976	10
PAI-4-FIX-5/6 GY	3035982	10
PAI-4-FIX-5/6 BN	3035981	10
S-ME 4	3035758	10
SB-ME 2-6	3035755	10
SB-ME 3-6	3035756	10
SB-ME 4-6	3035757	10
C-ME 4/2	3035759	10
C-ME 4/3	3035760	10
PC-CT 6/2	3212308	1

COMBI headers for PCB connection

**Notes:**  
For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction



Technical data			
Width	Length	Height	
12.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	-	-
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 / 4	20 / -	-	-
4			
General data			
Insulating material			
PA			
Inflammability class according to UL 94			
V0			

Ordering data			
Description	No. of pos.	Width	Color
<b>COMBI header</b>	2	12.4 mm	gray
	3	18.9 mm	gray
	4	24.8 mm	gray
	5	31 mm	gray
	6	37.2 mm	gray
	7	43.4 mm	gray
	8	49.6 mm	gray
	9	55.8 mm	gray
	10	62 mm	gray
	11	68.2 mm	gray
	12	74.4 mm	gray
	<b>COMBI header</b>	2	12.4 mm
3		18.6 mm	gray
4		24.8 mm	gray
5		31 mm	gray
6		37.2 mm	gray
7		43.4 mm	gray
8		49.6 mm	gray
9		55.8 mm	gray
10		62 mm	gray
11		68.2 mm	gray
12		74.4 mm	gray

Type	Order No.	Pcs. / Pkt.
ST 4-PCB/ 2-G-6,2	1980598	50
ST 4-PCB/ 3-G-6,2	1980608	50
ST 4-PCB/ 4-G-6,2	1980611	50
ST 4-PCB/ 5-G-6,2	1980624	50
ST 4-PCB/ 6-G-6,2	1980637	50
ST 4-PCB/ 7-G-6,2	1980640	50
ST 4-PCB/ 8-G-6,2	1980653	50
ST 4-PCB/ 9-G-6,2	1980666	50
ST 4-PCB/10-G-6,2	1980679	50
ST 4-PCB/11-G-6,2	1980682	50
ST 4-PCB/12-G-6,2	1980695	50



Technical data			
Width	Length	Height	
12.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	-	-
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 / 4	20 / -	-	-
4			
General data			
Insulating material			
PA			
Inflammability class according to UL 94			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 4-PCBV/ 2-G-6,2	1980705	50
ST 4-PCBV/ 3-G-6,2	1980718	50
ST 4-PCBV/ 4-G-6,2	1980721	50
ST 4-PCBV/ 5-G-6,2	1980734	50
ST 4-PCBV/ 6-G-6,2	1980747	50
ST 4-PCBV/ 7-G-6,2	1980750	50
ST 4-PCBV/ 8-G-6,2	1980763	50
ST 4-PCBV/ 9-G-6,2	1980776	50
ST 4-PCBV/10-G-6,2	1980789	50
ST 4-PCBV/11-G-6,2	1980792	50
ST 4-PCBV/12-G-6,2	1980802	50

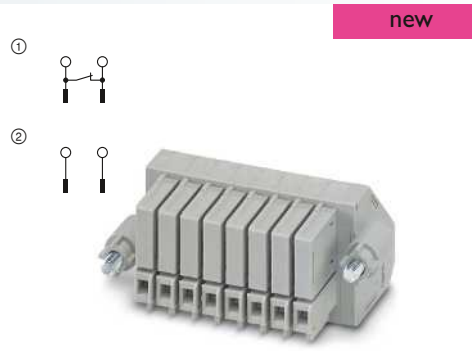
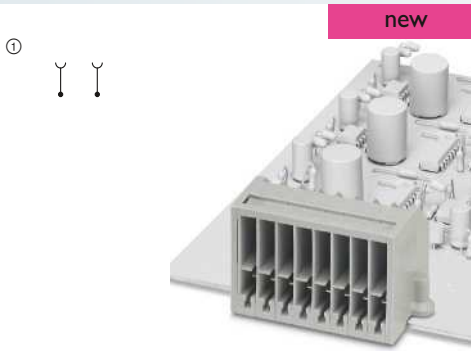
# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI UT plug-in connection solutions

### Connectors

- Direct connection of current transformers and voltage transducers, e.g., to a protective relay for medium-voltage switchgear
- UP 4...CT and BP 4...CT connectors contain a short-circuit element. When removing the connector from the device, a leading short circuit of the connected current transformer is carried out.

**Notes:**  
 1) For additional accessories and technical data, see page 240.



Dimensions		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	320
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	15
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	20 - 14
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.5 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	-
<b>General data</b>		
Stripping length	[mm]	-

Technical data <sup>1)</sup>				
Width	Length	Height		
<b>78</b>	<b>29.1</b>	<b>34.3</b>		
<b>I<sub>max.</sub> [A]</b>	<b>U<sub>max.</sub> [V]</b>	<b>max. Ø [mm<sup>2</sup>]</b>	<b>AWG (UL)</b>	
<b>15</b>	<b>320</b>	<b>0.5 - 2.5</b>	<b>-</b>	
<b>IEC</b>	<b>UL / CUL</b>	<b>CSA</b>	<b>Ex</b>	
320	-	-	-	
15	-	-	-	
2.5	-	-	-	
20 - 14	-	-	-	
<b>solid</b>		<b>stranded</b>	<b>Ferrule without/with plastic sleeve</b>	
0.5 - 2.5	0.5 - 2.5	-	-	
-	-	-	-	

Technical data <sup>1)</sup>				
Width	Length	Height		
<b>86.7</b>	<b>56.4</b>	<b>34.3</b>		
<b>I<sub>max.</sub> [A]</b>	<b>U<sub>max.</sub> [V]</b>	<b>max. Ø [mm<sup>2</sup>]</b>	<b>AWG (UL)</b>	
<b>15</b>	<b>320</b>	<b>0.14 - 6</b>	<b>-</b>	
<b>IEC</b>	<b>UL / CUL</b>	<b>CSA</b>	<b>Ex</b>	
320	-	-	-	
15	-	-	-	
6	-	-	-	
26 - 10	-	-	-	
<b>solid</b>		<b>stranded</b>	<b>Ferrule without/with plastic sleeve</b>	
0.14 - 6	0.14 - 6	0.25 - 4	0.25 - 4	-
0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-	-

Description	No. of pos.	Color
<b>PCB connector</b> , with screw flange covers	8	gray
<b>Short-circuit plug</b> , for four current transformers	10	gray
<b>Connector</b> , for four voltage transducers	8	gray
<b>Short-circuit plug</b> , for four current transformers, bolt connection	10	gray
<b>Connector</b> , for four voltage transducers, bolt connection	10	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>FC 4-PCB/8</b>	① <b>3208694</b>	10	
<b>FC 4-PCB/10</b>	① <b>3208736</b>	10	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>UP 4-4CT</b>	① <b>3208720</b>	10	
<b>UP 4-4VT</b>	② <b>3208721</b>	10	
<b>BP 4-5CT</b>	① <b>3208733</b>	10	
<b>BP 4-5VT</b>	② <b>3208734</b>	10	

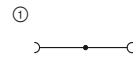
COMBI connectors

**Notes:**

1) For additional accessories and technical data, see page 240.  
2) For derating curve, visit phoenixcontact.net/products



32 A, connector, connection at a right angle to the plug-in direction



32 A, connector, connection at a right angle to the plug-in direction, for self-assembly



Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
6.2 x Number of positions	22	48.5	32.2	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup> (FBS) / 24 (FBSR)	800	0.14 - 6	26-10	
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30	
Connection capacity	solid		stranded	
2 stranded conductors with a TWIN ferrule	-		Ferrule without/with plastic sleeve	
			0.5 - 1	

Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
6.2 x Number of positions	22	48.5	32.2	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup> (FBS) / 24 (FBSR)	800	0.14 - 6	26-10	
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30	
Connection capacity	solid		stranded	
2 stranded conductors with a TWIN ferrule	-		Ferrule without/with plastic sleeve	
			0.5 - 1	

Ordering data			
Description	No. of pos.	Width	Color
<b>Connector</b>	1	6.2 mm	gray
	2	12.4 mm	gray
	3	18.6 mm	gray
	4	24.8 mm	gray
	5	31 mm	gray
	6	37.2 mm	gray
	7	43.4 mm	gray
	8	49.6 mm	gray
	9	55.8 mm	gray
	10	62 mm	gray
	11	68.2 mm	gray
	12	74.4 mm	gray
	13	80.6 mm	gray
	14	86.8 mm	gray
	15	93 mm	gray
<b>Connector, left element</b>	1	6.2 mm	green-yellow
	1	6.2 mm	gray
<b>Connector, center element</b>	1	6.2 mm	blue
	1	6.2 mm	green-yellow
<b>Connector, right element</b>	1	6.2 mm	gray
	1	6.2 mm	blue
	1	6.2 mm	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UPBV 4/ 1	3045800	50	
UPBV 4/ 2	3045813	50	
UPBV 4/ 3	3045826	50	
UPBV 4/ 4	3045839	50	
UPBV 4/ 5	3045842	50	
UPBV 4/ 6	3045855	25	
UPBV 4/ 7	3045868	25	
UPBV 4/ 8	3045871	25	
UPBV 4/ 9	3045884	25	
UPBV 4/10	3045897	25	
UPBV 4/11	3045907	10	
UPBV 4/12	3045910	10	
UPBV 4/13	3045923	10	
UPBV 4/14	3045936	10	
UPBV 4/15	3045949	10	
UPBV 4/ 1 BU	3045266	50	
UPBV 4/ 1 GNYE	3045279	50	
UPBV 4/ 1-L	3045716	50	
UPBV 4/ 1-L BU	3045729	50	
UPBV 4/ 1-L GNYE	3045732	50	
UPBV 4/ 1-M	3045745	50	
UPBV 4/ 1-M BU	3045758	50	
UPBV 4/ 1-M GNYE	3045761	50	
UPBV 4/ 1-R	3045774	50	
UPBV 4/ 1-R BU	3045787	50	
UPBV 4/ 1-R GNYE	3045790	50	

Accessories <sup>1)</sup>			
Description	Order No.	Pcs. / Pkt.	
Strain relief, for UPBV... connectors, 2-pos.	UPZ/ 2	3045554	50
Latching, for UPBV... connectors, 2-pos.	UPR/ 2	3045567	50
Latching and strain relief, for UPBV... connectors, 2-pos.	UPRZ	3045570	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	DF-UPBV 2,5/ 4	3060432	50

Accessories <sup>1)</sup>			
Description	Order No.	Pcs. / Pkt.	
Strain relief, for UPBV... connectors, 2-pos.	UPZ/ 2	3045554	50
Latching, for UPBV... connectors, 2-pos.	UPR/ 2	3045567	50
Latching and strain relief, for UPBV... connectors, 2-pos.	UPRZ	3045570	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI connectors	DF-UPBV 2,5/ 4	3060432	50

# Terminal blocks - CLIPLINE complete

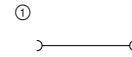
## 4 mm<sup>2</sup> COMBI UT plug-in connection solutions

### COMBI connectors

<b>Notes:</b>
1) For additional accessories and technical data, see page 240.
2) For derating curve, visit phoenixcontact.net/products



32 A, connector, connection in plug-in direction



32 A, connector, connection in plug-in direction, for self-assembly



Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Length	Height	Height when plugged in	
<b>6.2 x Number of positions</b>		<b>21</b>	<b>41.2</b>	<b>24.8</b>	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>Rated data</b>		<b>32<sup>2)</sup></b>	<b>800</b>	<b>0.2 - 6</b>	<b>26-10</b>
Rated voltage	[V]	IEC	UL / CUL	CSA	Ex
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	800	600	600	-
Cross section range	AWG	32 <sup>2)</sup> / 4	30 / -	30	-
Connection capacity		24 - 10	-	-	-
1 conductor	[mm <sup>2</sup> ]	solid	stranded	Ferrule without/with plastic sleeve	
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
		-	-	-	0.5 - 1.5

Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Length	Height	Height when plugged in	
<b>6.2 x Number of positions</b>		<b>21</b>	<b>41.2</b>	<b>24.8</b>	
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>Rated data</b>		<b>32<sup>2)</sup></b>	<b>800</b>	<b>0.2 - 6</b>	<b>26-10</b>
Rated voltage	[V]	IEC	UL / CUL	CSA	Ex
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	800	600	600	-
Cross section range	AWG	32 <sup>2)</sup> / 4	30 / -	30	-
1 conductor	[mm <sup>2</sup> ]	24 - 10	-	-	-
2 conductors (of the same type)	[mm <sup>2</sup> ]	solid	stranded	Ferrule without/with plastic sleeve	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
		0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
		-	-	-	0.5 - 1.5

Ordering data				Ordering data		
Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
<b>Connector</b>	1	6.2 mm	gray	UP 4/ 1	① 3060115	50
	2	12.4 mm	gray	UP 4/ 2	① 3060128	50
	3	18.6 mm	gray	UP 4/ 3	① 3060131	50
	4	24.8 mm	gray	UP 4/ 4	① 3060144	50
	5	31 mm	gray	UP 4/ 5	① 3060157	50
	6	37.2 mm	gray	UP 4/ 6	① 3060160	25
	7	43.4 mm	gray	UP 4/ 7	① 3060173	25
	8	49.6 mm	gray	UP 4/ 8	① 3060186	25
	9	55.8 mm	gray	UP 4/ 9	① 3060199	25
	10	62 mm	gray	UP 4/10	① 3060209	25
	11	68.2 mm	gray	UP 4/11	① 3060212	10
	12	74.4 mm	gray	UP 4/12	① 3060225	10
	13	80.6 mm	gray	UP 4/13	① 3060238	10
	14	86.8 mm	gray	UP 4/14	① 3060241	10
	15	93 mm	gray	UP 4/15	① 3060254	10
	1	6.2 mm	blue	UP 4/ 1 BU	① 3045282	50
	1	6.2 mm	green-yellow	UP 4/ 1 GNYE	① 3045295	50
<b>Connector, left element</b>	1	6.2 mm	gray			
	1	6.2 mm	blue			
<b>Connector, center element</b>	1	6.2 mm	green-yellow			
	1	6.2 mm	gray			
<b>Connector, right element</b>	1	6.2 mm	blue			
	1	6.2 mm	green-yellow			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UP 4/ 1-L	① 3060021	50	
UP 4/ 1-L BU	① 3060034	50	
UP 4/ 1-L GNYE	① 3060047	50	
UP 4/ 1-M	① 3060050	50	
UP 4/ 1-M BU	① 3060063	50	
UP 4/ 1-M GNYE	① 3060076	50	
UP 4/ 1-R	① 3060089	50	
UP 4/ 1-R BU	① 3060092	50	
UP 4/ 1-R GNYE	① 3060102	50	

Accessories <sup>1)</sup>		
Strain relief, for connectors, 2-pos.	PZ/2	3040627 50
Latching, for connectors, 1-pos.	PR	3040559 50
2-pos.	PR/2	3040630 50
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	PRZ	3040614 50
Screw flange cover, for UP 4 COMBI connectors	DF-UP 4	3060348 50

Accessories <sup>1)</sup>		
PZ/2	3040627	50
PR	3040559	50
PR/2	3040630	50
PRZ	3040614	50
DF-UP 4	3060348	50





# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> COMBI UT plug-in connection solutions

### General technical data for 6 mm<sup>2</sup> COMBI UT screw connection terminal blocks

Rated data		IEC 61984			
Rated cross section	[mm <sup>2</sup> ]	6			
Cross section range	AWG	24 - 8			
Connection capacity		solid	stranded	Ferrule	
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 10	without	with plastic sleeve
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Inflammability class according to UL 94		V0			

**Note: additional or deviating data is documented for the product.**

#### Notes:

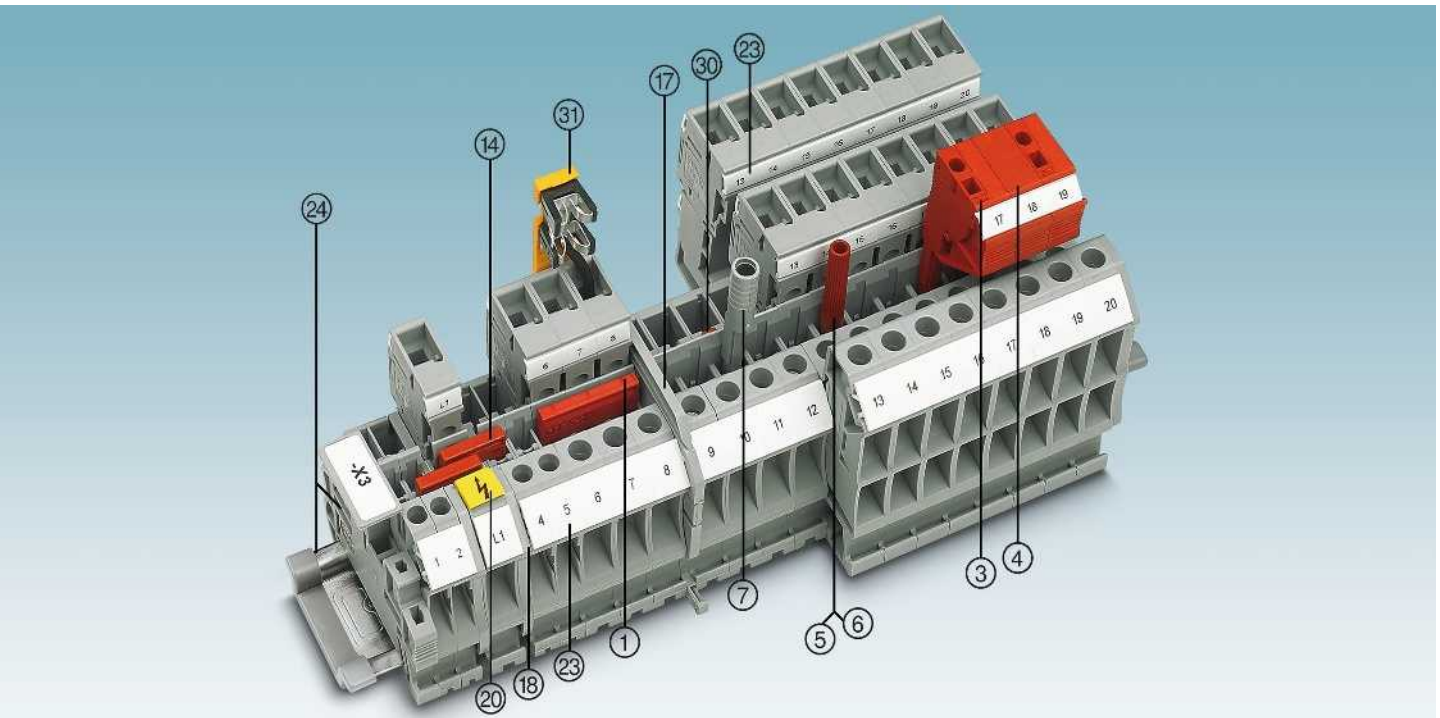


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

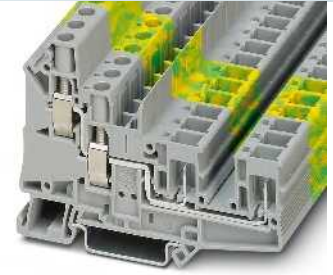
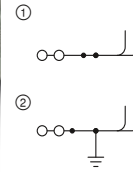
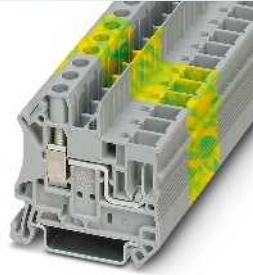
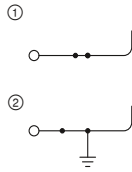
### System accessories for 6 mm<sup>2</sup> COMBI UT screw connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red	FBS 16-8			FBSR 16-8	3033816	10
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑨ Coding profile		red	PC	3040588	50			
Screwdriver			SZS 1,0X4,0 VDE	1205066	10			
⑭ Reducing bridge	For RB ..., see page 344.							
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products							
⑲ Cover	Documented for the product.							
⑳ Warning labels	For WS ..., see page 353.							
㉑ Lateral groove marking	Terminal block: UC-TM 8, UCT-TM 8 or ZB 8 Plug: UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100. See Catalog 5.							
㉒ DIN rails and end brackets	See page 312 onwards.							
㉓ Latching, strain relief, shielding	Note: additional or deviating accessories are documented for the product.							
For full accessories, visit phoenixcontact.net/products								

Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 250.  
 2) For derating curve, visit phoenixcontact.net/products  
 For screw flange, see page 320.



41 A, feed-through terminal block

41 A, feed-through terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	49.1	47.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41 <sup>2)</sup>	1000	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6	40 / -	50 / -

Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	86.5	60 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	1000	0.2 - 10	24-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6	40 / -	50 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 6/1P	3060539	50	
UT 6/1P BU	3060542	50	
UT 6/1P-PE	3060555	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UT 6-QUATTRO/2P	3060568	50	
UT 6-QUATTRO/2P BU	3060571	50	
UT 6-QUATTRO/2P-PE	3060584	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UT 2,5/1P	3047154	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-UT 6-QUATTRO/2P	3060607	50

Description	Color
Terminal block	gray blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> COMBI UT plug-in connection solutions

### COMBI connectors

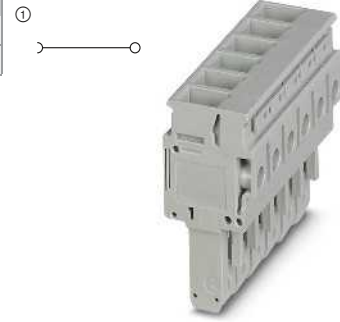


- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

### UP.. connectors

- Screw actuation from the side
- Conductor connected from above
- The connector design enables a space-saving potential distribution by using four-conductor terminal blocks with 2 slots

Notes:
1) For additional accessories and technical data, see page 250.
2) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction



Dimensions	[mm]
8.2 x Number of positions	21

Max. electrical data	
$I_{max}$ [A]	41 <sup>2)</sup>
$U_{max}$ [V]	1000
Rated voltage [V]	1000
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6

Connection capacity	[mm <sup>2</sup> ]
1 conductor	0.2 - 6

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
8.2 x Number of positions	21	42.7	26
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41 <sup>2)</sup>	1000	0.2 - 10	24-8
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6	40	-
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve
1 conductor	0.2 - 6	0.2 - 10	0.25 - 6 0.25 - 6

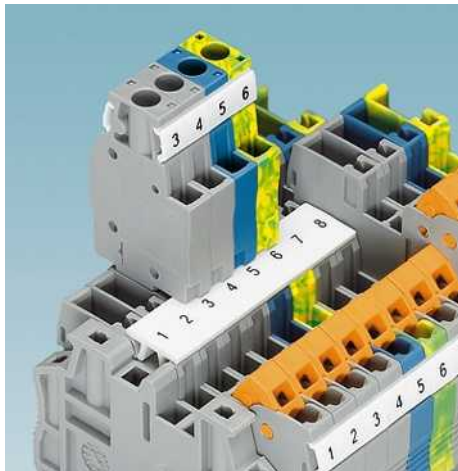
Description	No. of pos.	Width	Color
Connector	1	8.2 mm	gray
	2	16.4 mm	gray
	3	24.6 mm	gray
	4	32.8 mm	gray
	5	41 mm	gray
	6	49.2 mm	gray
	7	57.4 mm	gray
	8	65.6 mm	gray
	9	73.8 mm	gray
	10	82 mm	gray
1	8.2 mm	blue	
1	8.2 mm	green-yellow	

Ordering data			
Type		Order No.	Pcs. / Pkt.
UP 6/ 1	①	3060610	50
UP 6/ 2	①	3060623	50
UP 6/ 3	①	3060636	50
UP 6/ 4	①	3060649	25
UP 6/ 5	①	3060652	25
UP 6/ 6	①	3060665	25
UP 6/ 7	①	3060678	25
UP 6/ 8	①	3060681	25
UP 6/ 9	①	3060694	25
UP 6/10	①	3060704	25
UP 6/ 1 BU	①	3060717	50
UP 6/ 1 GNYE	①	3060720	50

Strain relief, for connectors, 2-pos.	black
Latching, for connectors, 1-pos.	orange
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Screw flange cover, for UP 6 COMBI connectors	gray

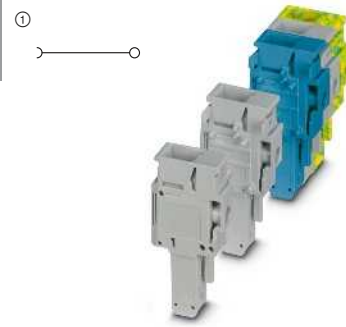
Accessories <sup>1)</sup>		
PZ/2	3040627	50
PR	3040559	50
PR/2	3040630	50
PRZ	3040614	50
DF-UP 6	3060856	50

COMBI connectors for self-assembly



- The COMBI connectors for self-assembly provide solutions that users can implement themselves
  - The connectors are snapped together from one-position connector elements directly on site
  - The screw connectors can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions
  - The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
- ① DF-UP 6
  - ② UP 6/1-L
  - ③ UP 6/1-M and UP 6/1-M BU
  - ④ UP 6/1-R GNYE

<b>Notes:</b>
1) For additional accessories and technical data, see page 250.
2) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction, for self-assembly



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]

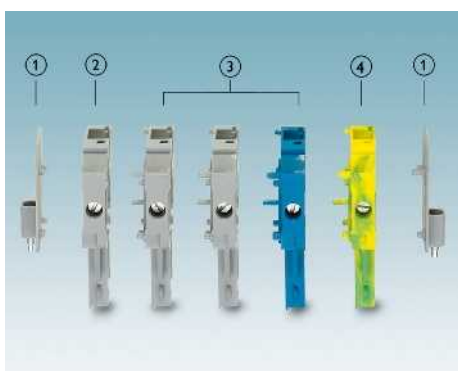
Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
8.2 x Number of positions	21	42.7	26
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41 <sup>2)</sup>	1000	0.2 - 10	24-8
IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	-
Nominal current / cross section	41 <sup>2)</sup> / 6	40	-
<b>Connection capacity</b>	solid	stranded	Ferrule without/with plastic sleeve
1 conductor	0.2 - 6	0.2 - 10	0.25 - 6 0.25 - 6

Description	No. of pos.	Color
<b>Connector, left element</b>	1	gray
	1	blue
	1	green-yellow
<b>Connector, center element</b>	1	gray
	1	blue
	1	green-yellow
<b>Connector, right element</b>	1	gray
	1	blue
	1	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UP 6/ 1-L	① 3060733	50	
UP 6/ 1-L BU	① 3060746	50	
UP 6/ 1-L GNYE	① 3060759	50	
UP 6/ 1-M	① 3060762	50	
UP 6/ 1-M BU	① 3060775	50	
UP 6/ 1-M GNYE	① 3060788	50	
UP 6/ 1-R	① 3060791	50	
UP 6/ 1-R BU	① 3060801	50	
UP 6/ 1-R GNYE	① 3060814	50	

<b>Strain relief</b> , for connectors, 2-pos.	black
<b>Latching</b> , for connectors, 1-pos.	orange
2-pos.	orange
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Screw flange cover</b> , for UP 6 COMBI connectors	gray

Accessories <sup>1)</sup>		
PZ/2	3040627	50
PR	3040559	50
PR/2	3040630	50
PRZ	3040614	50
DF-UP 6	3060856	50



# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> COMBI PT plug-in connection solutions

### General technical data for 1.5 mm<sup>2</sup> COMBI PT push-in connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	1.5
Cross section range	AWG	26 - 14
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5      0.14 - 1.5      0.14 - 1.5      0.14 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      -
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.25 - 1.5      -      0.34 - 1.5      0.34 - 1
<b>General data</b>		
Stripping length	[mm]	8 - 10
Insulating material		PA
Inflammability class according to UL 94		V0

**Note: additional or deviating data is documented for the product.**

#### Notes:

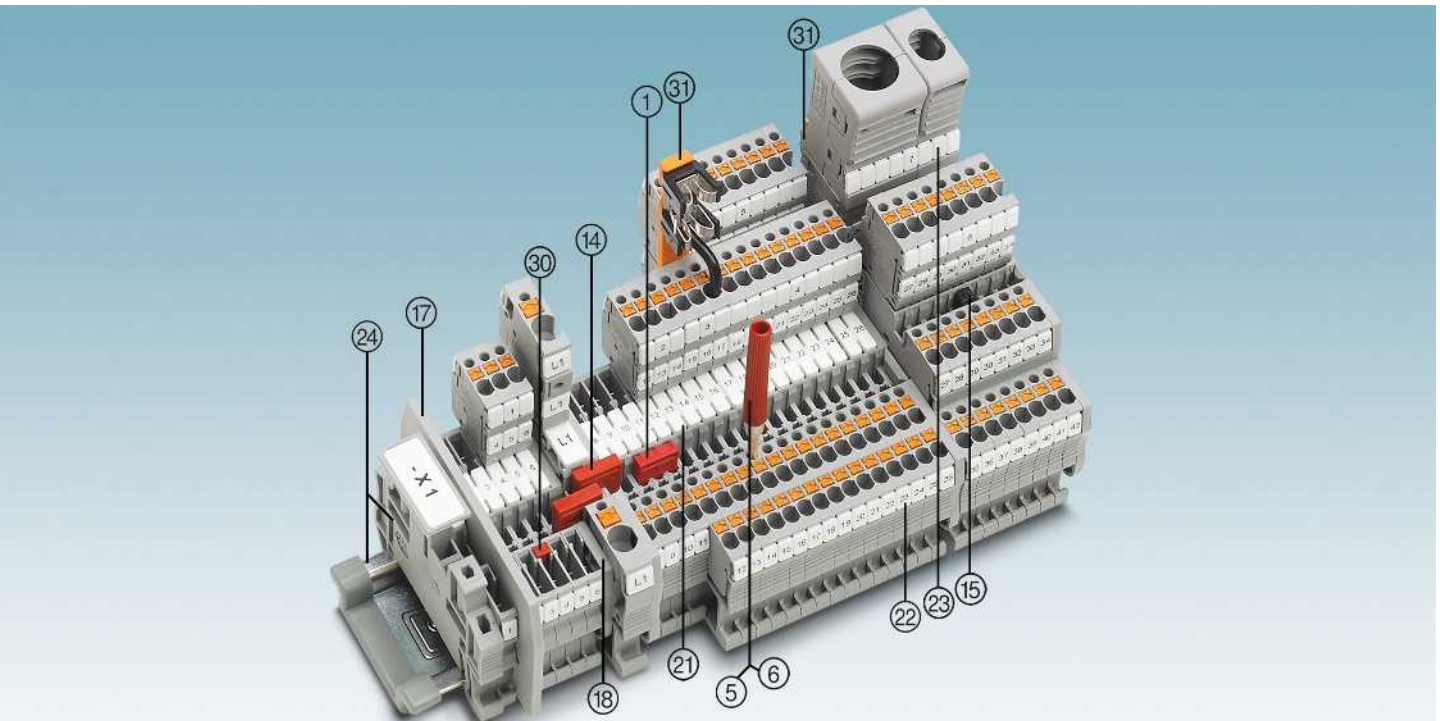


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

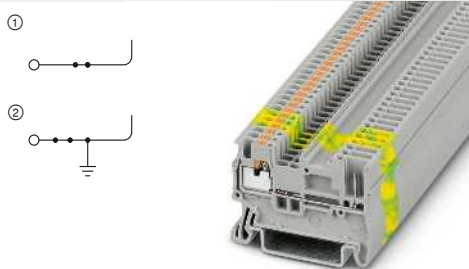
### System accessories for 1.5 mm<sup>2</sup> COMBI PT push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-3,5	3213014	50			
	3	red	FBS 3-3,5	3213027	50			
	4	red	FBS 4-3,5	3213030	50			
	5	red	FBS 5-3,5	3213043	50			
	10	red	FBS 10-3,5	3213056	50			
	20	red	FBS 20-3,5	3213069	50			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
③ Coding profile		red	PC	3040588	50			
Screwdriver			SZF 0-0,4X2,5	1204504	10			
⑭ Reducing bridge			For RB ..., see page 344.					
⑮ Vertical potential bridge			For FBS 1,5/S-PV ..., see page 341.					
⑰ Partition plates/end cover segments			For ATP-... / DS-..., visit phoenixcontact.net/products					
⑯ Cover			Documented for the product.					
⑱ Center groove marking			UCT-TM 3,5 or ZB 3,5. See also Catalog 5, selection tables from page 100.					
⑳ Center and lateral groove marking			UCT-TMF 3,5 or ZBF 3,5. See also Catalog 5, selection tables from page 100.					
㉑ Lateral groove marking			UCT-TMF 3,5 or ZBF 3,5. See also Catalog 5, selection tables from page 100.					
㉒ DIN rails and end brackets			See Catalog 5.					
㉓ Latching, strain relief, shielding			See page 312 onwards.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 254.  
 2) For derating curve, visit phoenixcontact.net/products



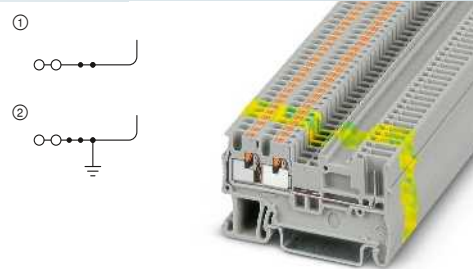
17.5 A, feed-through terminal block

UL ENEC EAC CE ClassNK

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	46	32 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	17.5 <sup>2)</sup>	500	0.14 - 1.5	26-14
Max. bridge current	17.5 [A]			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5 [A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 1,5/S/1P	① 3208582	50	
PT 1,5/S/1P BU	① 3208595	50	
PT 1,5/S/1P-PE	② 3212332	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S	3208142	50



17.5 A, feed-through terminal block, 3 connections

UL ENEC EAC CE ClassNK

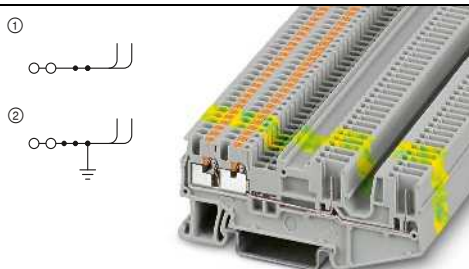
Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	55	32 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	17.5	500	0.14 - 1.5	26-14
Max. bridge current	17.5 [A]			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5 [A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 1,5/S-TWIN/1P	① 3212358	50	
PT 1,5/S-TWIN/1P BU	① 3212361	50	
PT 1,5/S-TWIN/1P-PE	② 3212374	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S-TWIN	3208184	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 254.  
 2) For derating curve, visit phoenixcontact.net/products



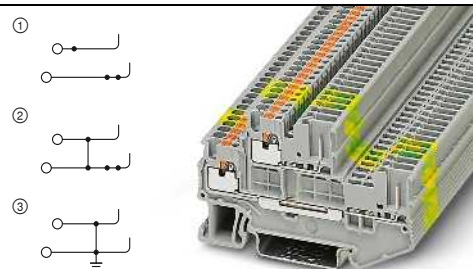
17.5 A, feed-through terminal block, 4 connections

UL ENEC EAC CE ClassNK

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	78.5	32 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	17.5	500	0.14 - 1.5	26-14
Max. bridge current	17.5 [A]			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	17.5 / 1.5 [A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 1,5/S-QUATTRO/2P	① 3212390	50	
PT 1,5/S-QUATTRO/2P BU	① 3212400	50	
PT 1,5/S-QUATTRO/2P-PE	② 3212413	50	

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PT 1,5/S-QUATTRO/2P	3212426	50



16 A, double-level terminal block

UL ENEC EAC CE ClassNK

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	69.3	42.6 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	16 <sup>2)</sup>	500	0.14 - 1.5	26-14
Max. bridge current	17.5 [A]			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	600	-
Nominal current / cross section	16 <sup>2)</sup> / 1.5 [A] / [mm <sup>2</sup> ]			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 1,5/S/2P	① 3212439	50	
PTTB 1,5/S/2P BU	① 3212442	50	
PTTB 1,5/S/2P-PV	② 3212468	50	
PTTB 1,5/S/2P-PE	③ 3212455	50	

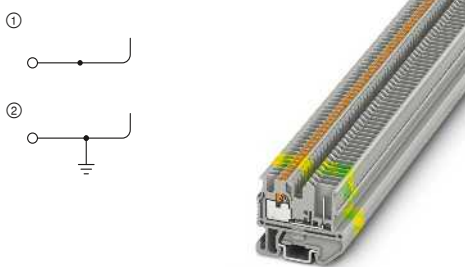
Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PTTB 1,5/S/2P	3212471	50

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> COMBI PT plug-in connection solutions

### Mini feed-through terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 254.  
 2) For derating curve, visit phoenixcontact.net/products



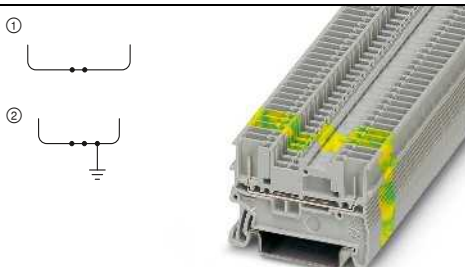
17.5 A, mini feed-through terminal block



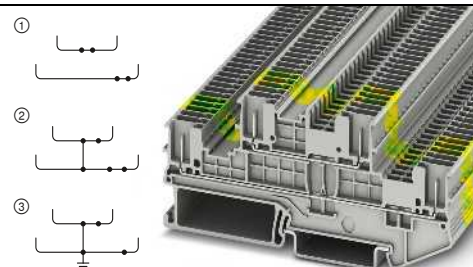
Dimensions		Technical data <sup>1)</sup>				
Width	[mm]	3.5	Length	33.55	Height	28.1 (NS 15)
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
Max. bridge current	[A]	17.5 <sup>2)</sup>	500	0.14 - 1.5	26-14	
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 <sup>2)</sup> / 1.5	15 / -	15 / -	-	
Description		Ordering data			Pcs. / Pkt.	
Terminal block	Color	Type	Order No.			
Terminal block	gray	MPT 1,5/S/1P	① 3248115	50		
Terminal block	blue	MPT 1,5/S/1P BU	① 3248116	50		
Ground terminal	green-yellow	MPT 1,5/S/1P-PE	② 3248117	50		
Cover, width 2.2 mm		Accessories <sup>1)</sup>				
Cover, width 2.2 mm	gray	D-MPT 1,5/S	3248120	50		

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 254.  
 2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block



16 A, double-level terminal block



Dimensions		Technical data <sup>1)</sup>				
Width	[mm]	3.5	Length	45.8	Height	32 (NS 35/7,5)
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
Max. bridge current	[A]	17.5 <sup>2)</sup>	500	0.14 - 1.5	-	
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 <sup>2)</sup> / 1.5	15 / -	-	-	
Description		Ordering data			Pcs. / Pkt.	
Terminal block	Color	Type	Order No.			
Terminal block	gray	PT 1,5/S/2P	① 3213784	50		
Terminal block	blue	PT 1,5/S/2P BU	① 3213797	50		
With potential distribution	gray	PT 1,5/S/2P-PE	② 3213810	50		
Ground terminal	green-yellow					
Cover, width 2.2 mm		Accessories <sup>1)</sup>				
Cover, width 2.2 mm	gray	D-PT 1,5/S	3208142	50		

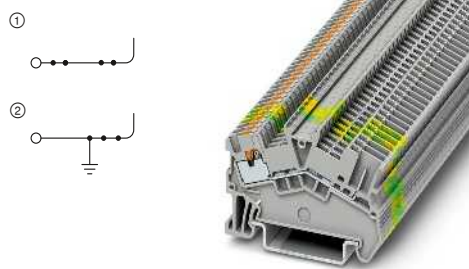


Dimensions		Technical data <sup>1)</sup>				
Width	[mm]	3.5	Length	93.9	Height	42.6 (NS 35/7,5)
<b>Max. electrical data</b>		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
Max. bridge current	[A]	16 <sup>2)</sup>	500	0.14 - 1.5	-	
<b>Rated data</b>		IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	500	600	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>2)</sup> / 1.5	15 / -	-	-	
Description		Ordering data			Pcs. / Pkt.	
Terminal block	Color	Type	Order No.			
Terminal block	gray	PTTB 1,5/S/4P	① 3213865	50		
Terminal block	blue	PTTB 1,5/S/4P BU	① 3213878	50		
Terminal block	gray	PTTB 1,5/S/4P-PV	② 3213852	50		
Terminal block	green-yellow	PTTB 1,5/S/4P-PE	③ 3213881	50		
Cover, width 2.2 mm		Accessories <sup>1)</sup>				
Cover, width 2.2 mm	gray	D-PTTB 1,5/S/4P	3213894	50		



### Desk-design terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 254.  
 2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block

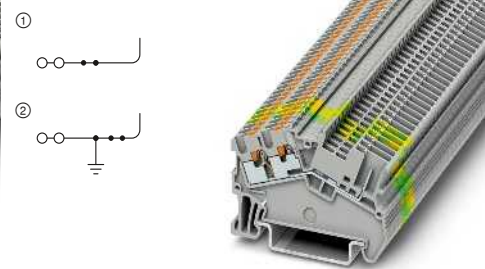


Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	50.7	38.5 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	17.5	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 <sup>2)</sup> / 1.5	15 / -	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 1,5/S/1P	① 3214453	50	
PTS 1,5/S/1P BU	① 3214466	50	
PTS 1,5/S/1P-PE	② 3214479	50	

Accessories <sup>1)</sup>		
D-PTS 1,5/S	Order No.	Pcs. / Pkt.
D-PTS 1,5/S	3214576	50

Description	Color
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray



17.5 A, feed-through terminal block, 3 connections



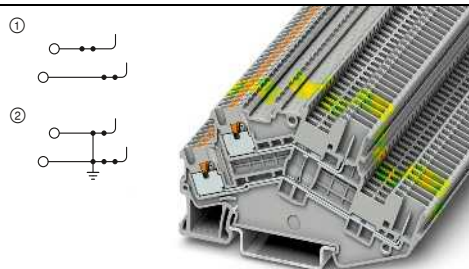
Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	50.7	38.5 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	17.5	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 <sup>2)</sup> / 1.5	15 / -	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTS 1,5/S-TWIN/1P	① 3214709	50	
PTS 1,5/S-TWIN/1P BU	① 3214712	50	
PTS 1,5/S-TWIN/1P-PE	② 3214725	50	

Accessories <sup>1)</sup>		
D-PTS 1,5/S	Order No.	Pcs. / Pkt.
D-PTS 1,5/S	3214576	50

### Desk-design terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 254.  
 2) For derating curve, visit phoenixcontact.net/products



16 A, double-level terminal block

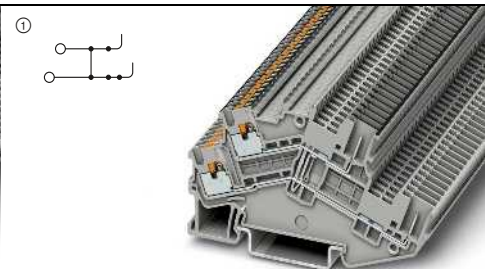


Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	78	55 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	16	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>2)</sup> / 1.5	15 / -	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 1,5/S/2P	① 3214495	50	
PTTBS 1,5/S/2P BU	① 3214505	50	
PTTBS 1,5/S/2P-PE	② 3214518	50	

Accessories <sup>1)</sup>		
D-PTTBS 1,5/S/2P	Order No.	Pcs. / Pkt.
D-PTTBS 1,5/S/2P	3214534	50

Description	Color
<b>Terminal block</b>	gray blue gray
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray



16 A, double-level terminal block with equipotential bonding



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	3.5	78	55 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	16	500	0.14 - 1.5	26-14
Max. bridge current	[A]	17.5		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>2)</sup> / 1.5	15 / -	15 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 1,5/S/2P-PV	① 3214521	50	

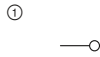
Accessories <sup>1)</sup>		
D-PTTBS 1,5/S/2P	Order No.	Pcs. / Pkt.
D-PTTBS 1,5/S/2P	3214534	50

# Terminal blocks - CLIPLINE complete

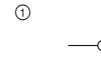
## 1.5 mm<sup>2</sup> COMBI PT plug-in connection solutions

### Couplings

<b>Notes:</b>
1) For additional accessories and technical data, see page 254.
2) For derating curve, visit phoenixcontact.net/products



17.5 A, coupling



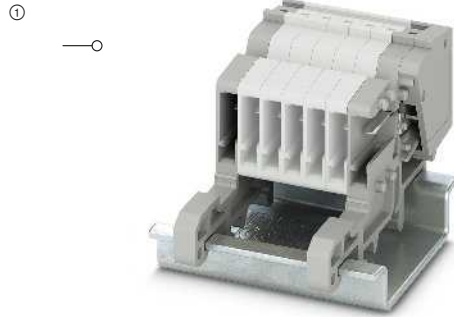
17.5 A, coupling, for self-assembly



Dimensions				Technical data <sup>1)</sup>				Technical data <sup>1)</sup>				
[mm]				Width	Length	Height		Width	Length	Height		
<b>Max. electrical data</b>				<b>3.5 x Number of positions</b>	<b>27</b>	<b>17.8</b>		<b>3.5 x Number of positions</b>	<b>27</b>	<b>17.8</b>		
<b>Rated data</b>				$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
Rated voltage [V]				17.5 <sup>2)</sup>	500	0.14 - 1.5	26-14	17.5 <sup>2)</sup>	500	0.14 - 1.5	26-14	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex	
				500	600	600	-	500	600	600	-	
				17.5 <sup>2)</sup> / 1.5	15 / -	15 / -	-	17.5 <sup>2)</sup> / 1.5	15 / -	15 / -	-	
Ordering data				Ordering data			Ordering data					
Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.			
<b>COMBI header</b>	2	7 mm	gray	PPC 1,5/S/ 2	3213386	50	<b>PPC 1,5/S/1-L</b>	3213357	50			
	3	10.5 mm	gray	PPC 1,5/S/ 3	3213399	50		<b>PPC 1,5/S/1-L BU</b>	3213360	50		
	4	14 mm	gray	PPC 1,5/S/ 4	3213409	50			<b>PPC 1,5/S/1-L GNYE</b>	3213373	50	
	5	17.5 mm	gray	PPC 1,5/S/ 5	3213412	50						
	6	21 mm	gray	PPC 1,5/S/ 6	3213425	25						
	7	24.5 mm	gray	PPC 1,5/S/ 7	3213438	25						
	8	28 mm	gray	PPC 1,5/S/ 8	3213441	25						
	9	31.5 mm	gray	PPC 1,5/S/ 9	3213454	25						
	10	35 mm	gray	PPC 1,5/S/10	3213467	25						
	11	38.5 mm	gray	PPC 1,5/S/11	3213470	10						
	12	42 mm	gray	PPC 1,5/S/12	3213483	10						
	13	45.5 mm	gray	PPC 1,5/S/13	3213496	10						
	14	49 mm	gray	PPC 1,5/S/14	3213506	10						
	15	52.5 mm	gray	PPC 1,5/S/15	3213519	10						
	<b>COMBI coupling, for self-assembly</b>	1	3.5 mm	gray								
	1	3.5 mm	blue									
	1	3.5 mm	green-yellow									
Accessories <sup>1)</sup>				Accessories <sup>1)</sup>			Accessories <sup>1)</sup>					
<b>Test plug metal part</b> , 2.3 mm Ø			silver	MPS-MT	0201744	10	MPS-MT	0201744	10			
<b>Insulating sleeve</b> , for MPS metal part			red	MPS-IH RD	0201676	10	MPS-IH RD	0201676	10			
<b>Cover</b> , width 2.2 mm			gray	D-PPC 1,5/S	3213690	50	D-PPC 1,5/S	3213690	50			
<b>Coding star</b> , with 4 coding branches, can be inserted in all basic terminal blocks			red	PC	3040588	50	PC	3040588	50			
<b>Strain relief</b> , for connector and coupling, 2-pos.			black	PZ 1,5/S/2	3212918	50	PZ 1,5/S/2	3212918	50			
<b>Cable housing</b> , for PP-H 1,5... and PPC 1,5...			gray	PH 1,5/S/3	3212756	50	PH 1,5/S/3	3212756	50			
4-pos.			gray	PH 1,5/S/4	3212769	50	PH 1,5/S/4	3212769	50			
5-pos.			gray	PH 1,5/S/5	3212772	50	PH 1,5/S/5	3212772	50			
6-pos.			gray	PH 1,5/S/6	3212785	25	PH 1,5/S/6	3212785	25			
7-pos.			gray	PH 1,5/S/7	3212798	25	PH 1,5/S/7	3212798	25			
8-pos.			gray	PH 1,5/S/8	3212808	25	PH 1,5/S/8	3212808	25			
9-pos.			gray	PH 1,5/S/9	3212811	25	PH 1,5/S/9	3212811	25			
10-pos.			gray	PH 1,5/S/10	3212824	25	PH 1,5/S/10	3212824	25			
11-pos.			gray	PH 1,5/S/11	3212837	10	PH 1,5/S/11	3212837	10			
12-pos.			gray	PH 1,5/S/12	3212840	10	PH 1,5/S/12	3212840	10			
13-pos.			gray	PH 1,5/S/13	3212853	10	PH 1,5/S/13	3212853	10			
14 pos.			gray	PH 1,5/S/14	3212866	10	PH 1,5/S/14	3212866	10			
15-pos.			gray	PH 1,5/S/15	3212879	10	PH 1,5/S/15	3212879	10			

## Couplings

Notes:
1) For additional accessories and technical data, see page 254.
2) For derating curve, visit phoenixcontact.net/products



17.5 A, coupling for DIN rail mounting

SE SA US EAC CE ClassNK

Technical data <sup>1)</sup>			
Width	Length	Height	
3.5	43	28.3 (NS 35/7,5) / 28.3 (NS 15)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
17.5 <sup>2)</sup>	500	0.14 - 1.5	26-14
IEC	UL / CUL	CSA	Ex
500	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 <sup>2)</sup> / 1.5	15 / -

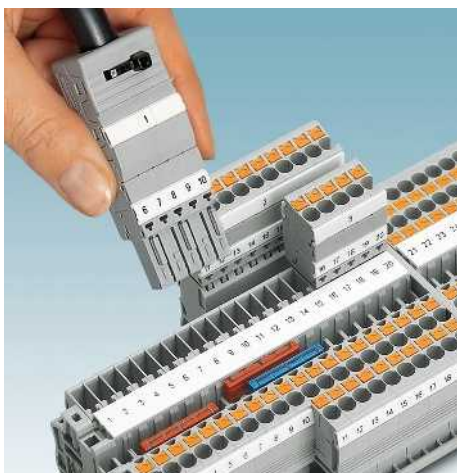
Ordering data		
Type	Order No.	Pcs. / Pkt.
PPC 1,5/S-NS/1-L	3213700	50

Accessories <sup>1)</sup>		
D-PPC 1,5/S	3213690	50
PC	3040588	50
PZ 1,5/S/2	3212918	50

Dimensions	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	Color
COMBI header	gray
Cover, width 2.2 mm	gray
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red
Strain relief, for connector and coupling, 2-pos.	black

### COMBI connectors



- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- Robust cable housings for strain relief on connecting cables are available

Notes:
1) For additional accessories and technical data, see page 254.
2) For derating curve, visit phoenixcontact.net/products



17.5 A, connector, connection in plug-in direction



Dimensions	[mm]
3.5 x Number of positions	

Max. electrical data	
$I_{max}$ [A]	17.5 <sup>2)</sup>
$U_{max}$ [V]	500
Rated voltage	500 [V]
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5 [A] / [mm <sup>2</sup> ]

Rated data	
Rated voltage	500 [V]
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5 [A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
3.5 x Number of positions	16.5	31.3	19.5
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
17.5 <sup>2)</sup>	500	0.14 - 1.5	26-14
IEC	UL / CUL	CSA	Ex

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	3.5 mm	gray
	2	7 mm	gray
	3	10.5 mm	gray
	4	14 mm	gray
	5	17.5 mm	gray
	6	21 mm	gray
	7	24.5 mm	gray
	8	28 mm	gray
	9	31.5 mm	gray
	10	35 mm	gray
	11	38.5 mm	gray
	12	42 mm	gray
	13	45.5 mm	gray
	14	49 mm	gray
	15	52.5 mm	gray
	1	3.5 mm	blue
	1	3.5 mm	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
PP-H 1,5/S/1	3212484	50
PP-H 1,5/S/2	3212510	50
PP-H 1,5/S/3	3212523	50
PP-H 1,5/S/4	3212536	50
PP-H 1,5/S/5	3212549	50
PP-H 1,5/S/6	3212552	25
PP-H 1,5/S/7	3212565	25
PP-H 1,5/S/8	3212578	25
PP-H 1,5/S/9	3212581	25
PP-H 1,5/S/10	3212594	25
PP-H 1,5/S/11	3212604	10
PP-H 1,5/S/12	3212617	10
PP-H 1,5/S/13	3212620	10
PP-H 1,5/S/14	3212633	10
PP-H 1,5/S/15	3212646	10
PP-H 1,5/S/1 BU	3212497	50
PP-H 1,5/S/1 GNYE	3212507	50

<b>Test plug metal part</b> , 2.3 mm Ø	silver
<b>Insulating sleeve</b> , for MPS metal part	red
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Latching</b> , for connectors, 1-pos.	orange
2-pos.	orange
<b>Strain relief</b> , for connector and coupling, 2-pos.	black
<b>Cable housing</b> , for PP-H 1,5... and PPC 1,5...	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14 pos.	gray
15-pos.	gray

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ 1,5/S	3212905	50
PR 1,5/S	3212882	50
PR 1,5/S/2	3212895	50
PZ 1,5/S/2	3212918	50
PH 1,5/S/3	3212756	50
PH 1,5/S/4	3212769	50
PH 1,5/S/5	3212772	50
PH 1,5/S/6	3212785	25
PH 1,5/S/7	3212798	25
PH 1,5/S/8	3212808	25
PH 1,5/S/9	3212811	25
PH 1,5/S/10	3212824	25
PH 1,5/S/11	3212837	10
PH 1,5/S/12	3212840	10
PH 1,5/S/13	3212853	10
PH 1,5/S/14	3212866	10
PH 1,5/S/15	3212879	10

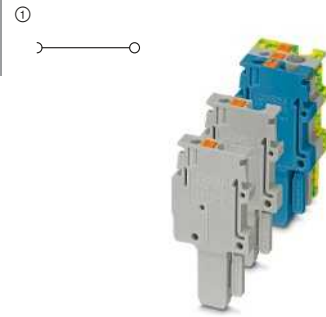
### COMBI connectors for self-assembly

- The push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available
- The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.

- ① PP-H 1,5/S/1-L
- ② PP-H 1,5/S/1-M and PP-H 1,5/S/1-M BU
- ③ PP-H 1,5/S/1-R GNYE

#### Notes:

- 1) For additional accessories and technical data, see page 254.  
For more cable housings, see page 317



17.5 A, connector, connection in plug-in direction, for self-assembly



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

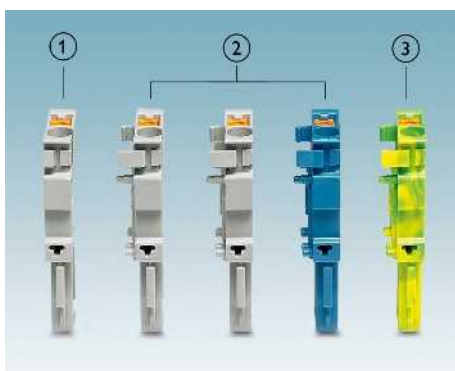
Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
3.5 x Number of positions	16.5	31.3	19.5
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
17.5	500	0.14 - 1.5	26-14
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5 / 1.5	15 / -	15 / -	-

Description	No. of pos.	Color
COMBI connector, left element	1	gray
	1	blue
	1	green-yellow
COMBI connector, center element	1	gray
	1	blue
COMBI connector, right element	1	green-yellow
	1	gray
COMBI connector, right element	1	blue
	1	gray
	1	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PP-H 1,5/S/1-L	① 3212659	50	
PP-H 1,5/S/1-L BU	① 3212662	50	
PP-H 1,5/S/1-L GNYE	① 3212675	50	
PP-H 1,5/S/1-M	① 3212688	50	
PP-H 1,5/S/1-M BU	① 3212691	50	
PP-H 1,5/S/1-M GNYE	① 3212701	50	
PP-H 1,5/S/1-R	① 3212714	50	
PP-H 1,5/S/1-R BU	① 3212727	50	
PP-H 1,5/S/1-R GNYE	① 3212730	50	

Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connector and coupling, 2-pos.	black
Cable housing, for PP-H 1,5... and PPC 1,5...	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14 pos.	gray
15-pos.	gray

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ 1,5/S	3212905	50
PR 1,5/S	3212882	50
PR 1,5/S/2	3212895	50
PZ 1,5/S/2	3212918	50
PH 1,5/S/3	3212756	50
PH 1,5/S/4	3212769	50
PH 1,5/S/5	3212772	50
PH 1,5/S/6	3212785	25
PH 1,5/S/7	3212798	25
PH 1,5/S/8	3212808	25
PH 1,5/S/9	3212811	25
PH 1,5/S/10	3212824	25
PH 1,5/S/11	3212837	10
PH 1,5/S/12	3212840	10
PH 1,5/S/13	3212853	10
PH 1,5/S/14	3212866	10
PH 1,5/S/15	3212879	10



# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI PT plug-in connection solutions

### General technical data for 2.5 mm<sup>2</sup> COMBI PT push-in connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	26 - 12
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.14 - 4      0.14 - 2.5      0.14 - 2.5      0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      0.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.34 - 4      -      0.34 - 2.5      0.34 - 2.5
<b>General data</b>		
Stripping length	[mm]	8 - 10
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

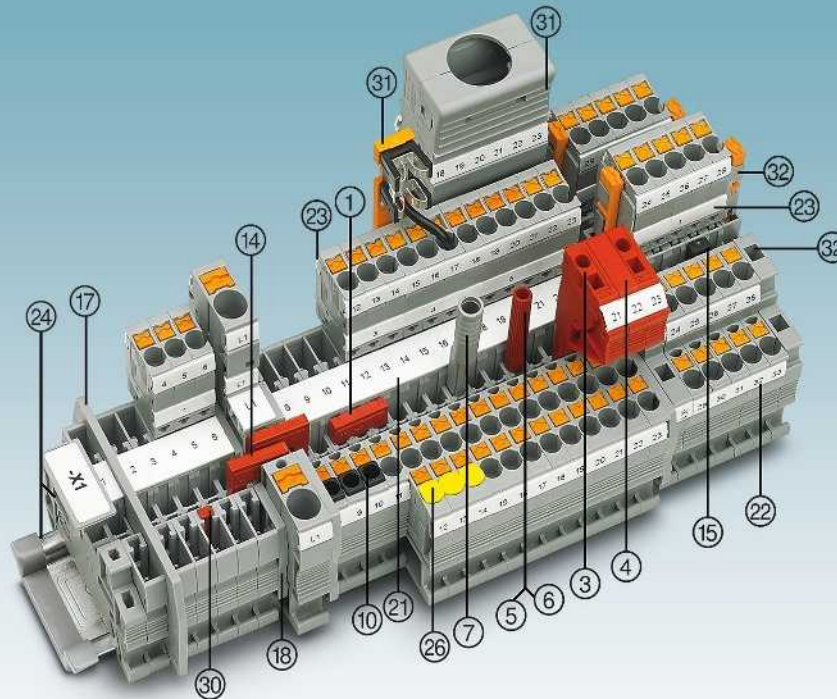


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> COMBI PT push-in connection terminal blocks



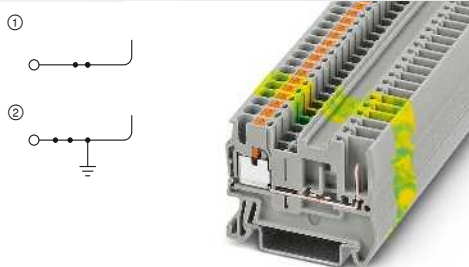
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
②	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve	0.25 - 0.5 mm <sup>2</sup>	gray	ISH 2,5/0,2	3002843	50			
	0.75 - 1 mm <sup>2</sup>	black	ISH 2,5/0,5	3002856	50			
⑬ Coding profile		black	ISH 2,5/1,0	3002869	50			
		red	PC	3040588	50			
⑮ Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge
⑮ Vertical potential bridge
⑯ Partition plates/end cover segments
⑰ Cover
⑱ Center groove marking
⑲ Center and lateral groove marking
⑲ Lateral groove marking
⑲ DIN rails and end brackets
⑲ Cover for conductor shaft
⑲ Latching, strain relief, shielding
⑲ Screw flanges, screw flange cover
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
For FBS-PV ..., see page 341.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.
UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.
UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.
See Catalog 5.
For CEC ..., see page 348.
See page 312 onwards.
See page 320 onwards.
Note: additional or deviating accessories are documented for the product.

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



24 A, feed-through terminal block

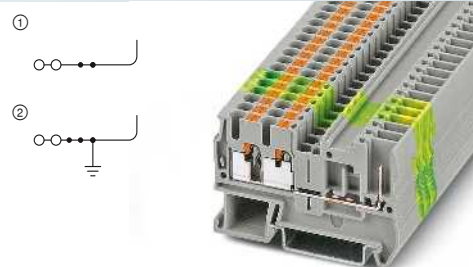


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	48.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -	20 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5/1P	① 3210033	50	
PT 2,5/1P BU	① 3210046	50	
PT 2,5/1P-PE	② 3210059	50	

Accessories <sup>1)</sup>		
D-ST 2,5	Order No.	Pcs. / Pkt.
D-ST 2,5	3030417	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray



24 A, feed-through terminal block, 3 connections



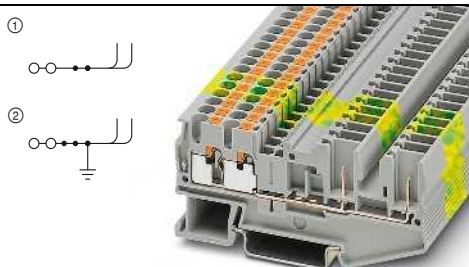
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	60.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -	20 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-TWIN/1P	① 3209633	50	
PT 2,5-TWIN/1P BU	① 3209646	50	
PT 2,5-TWIN/1P-PE	② 3209659	50	

Accessories <sup>1)</sup>		
D-ST 2,5-TWIN	Order No.	Pcs. / Pkt.
D-ST 2,5-TWIN	3030488	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



24 A, feed-through terminal block, 4 connections

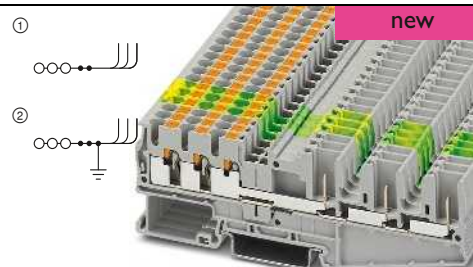


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	81	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	26-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -	20 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-QUATTRO/2P	① 3209662	50	
PT 2,5-QUATTRO/2P BU	① 3209675	50	
PT 2,5-QUATTRO/2P-PE	② 3209688	50	

Accessories <sup>1)</sup>		
D-ST 2,5-QUATTRO/ 2P	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO/ 2P	3040083	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow
<b>Cover, width 2.2 mm</b>	gray
<b>Spacer plate, width 5.2 mm</b>	orange



24 A, feed-through terminal block, 6 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	111.2	35.3 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.14 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 2,5-HEXA/3P	① 3040044	50	
PT 2,5-HEXA/3P BU	① 3040048	50	
PT 2,5-HEXA/3P-PE	② 3040052	50	

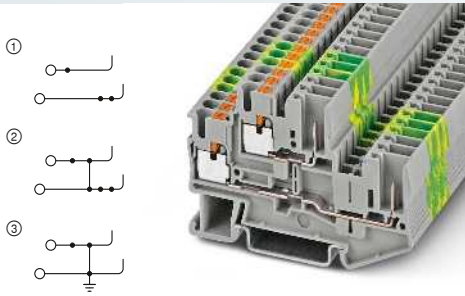
Accessories <sup>1)</sup>		
D-PT 2,5-HEXA/3P	Order No.	Pcs. / Pkt.
D-PT 2,5-HEXA/3P	3040058	50
DP-PT 2,5-HEXA/3P	3040060	50

# Terminal blocks - CLIPLINE complete

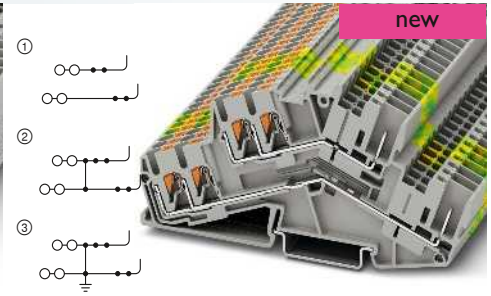
## 2.5 mm<sup>2</sup> COMBI PT plug-in connection solutions

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



22 A, double-level terminal block



22 A, double-level terminal block, desk design



Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	71.5	47.5 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
22 <sup>2)</sup>	500	0.14 - 4	24-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
Nominal current / cross section	22 <sup>2)</sup> / 2.5	20 / -	20 / -

Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	111.8	55 (NS 35/7,5)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	0.14 - 4	-
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	-	-	-
Nominal current / cross section	22 / 2.5	-	-

Description	Color
<b>Terminal block</b>	gray
	blue
With potential distribution	gray
<b>Ground terminal</b>	green-yellow

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTB 2,5/2P	① 3210871	50	
PTTB 2,5/2P BU	① 3210884	50	
PTTB 2,5/2P-PV	② 3210907	50	
PTTB 2,5/2P-PE	③ 3210897	50	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTTBS 2,5-TWIN/2P	① 3210604	50	
PTTBS 2,5-TWIN/2P BU	① 3210605	50	
PTTBS 2,5-TWIN/2P-PV	② 3210607	50	
PTTBS 2,5-TWIN/2P-PE	③ 3210606	50	

Accessories <sup>1)</sup>	
Cover, width 2.2 mm	gray

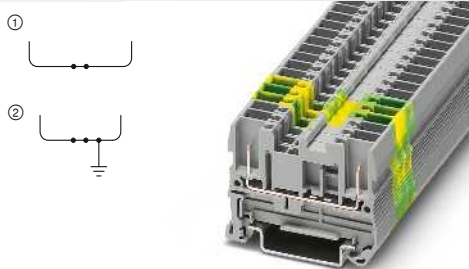
Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-STTB 2,5/ 2P	3040096	50

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-PTTBS 2,5-TWIN	3210608	50



### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



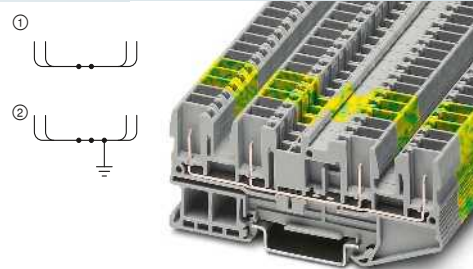
24 A, feed-through terminal block



Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	49.1	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	24 <sup>2)</sup>	500	0.08 - 4	-
	24 (FBS) / 17.5 (FBRS)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Max. bridge current	500	600	300	-
Rated voltage	500	600	300	-
Nominal current / cross section	24 <sup>2)</sup> / 2.5	20 / -	20 / -	-
Cross section range	28 - 12	-	-	-
<b>Connection capacity</b>	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Ordering data			
<b>Description</b>	Color	<b>Type</b>	<b>Order No.</b>
<b>Terminal block</b>	gray	ST 2,5/2P	3042133
	blue	ST 2,5/2P BU	3042094
<b>Ground terminal</b>	green-yellow	ST 2,5/2P-PE	3042146

Accessories <sup>1)</sup>		
<b>Description</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
Cover, width 2.2 mm	D-ST 2,5	3030417 50



24 A, feed-through terminal block, 4 connections



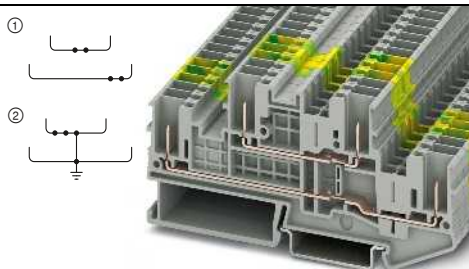
Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	89.5	36.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	24	500	0.08 - 4	-
	24 (FBS) / 17.5 (FBRS)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Max. bridge current	500	600	300	-
Rated voltage	500	600	300	-
Nominal current / cross section	24 <sup>2)</sup> / 2.5	20 / -	20 / -	-
Cross section range	28 - 12	-	-	-
<b>Connection capacity</b>	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Ordering data			
<b>Description</b>	Color	<b>Type</b>	<b>Order No.</b>
<b>Terminal block</b>	gray	ST 2,5-QUATTRO/4P	3042159
	blue	ST 2,5-QUATTRO/4P BU	3042081
<b>Ground terminal</b>	green-yellow	ST 2,5-QUATTRO/4P-PE	3042162

Accessories <sup>1)</sup>		
<b>Description</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
Cover, width 2.2 mm	D-ST 2,5-QUATTRO/4P	3042175 50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products



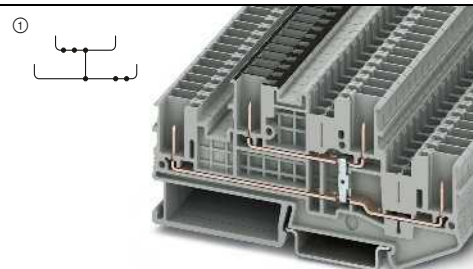
22 A, double-level terminal block



Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	98.8	47.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	22 <sup>2)</sup>	500	0.08 - 4	-
	24 (FBS) / 17.5 (FBRS)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Max. bridge current	500	600	300	-
Rated voltage	500	600	300	-
Nominal current / cross section	22 <sup>2)</sup> / 2.5	20 / -	20 / -	-
Cross section range	28 - 12	-	-	-
<b>Connection capacity</b>	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Ordering data			
<b>Description</b>	Color	<b>Type</b>	<b>Order No.</b>
<b>Terminal block</b>	gray	STTB 2,5/4P	3061486
	blue	STTB 2,5/4P BU	3061512
<b>Ground terminal</b>	green-yellow	STTB 2,5/4P-PE	3061499

Accessories <sup>1)</sup>		
<b>Description</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
Cover, width 2.2 mm	D-STTB 2,5/4P	3061538 50



22 A, double-level terminal block with equipotential bonding



Technical data <sup>1)</sup>				
<b>Dimensions</b>	Width	Length	Height	
	5.2	98.8	47.5 (NS 35/7,5)	
<b>Max. electrical data</b>	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	22	500	0.08 - 4	-
	24 (FBS) / 17.5 (FBRS)			
<b>Rated data</b>	IEC	UL / CUL	CSA	Ex
Max. bridge current	500	600	300	-
Rated voltage	500	600	300	-
Nominal current / cross section	22 / 2.5	20 / -	20 / -	-
Cross section range	28 - 12	-	-	-
<b>Connection capacity</b>	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Ordering data			
<b>Description</b>	Color	<b>Type</b>	<b>Order No.</b>
<b>Terminal block</b>	gray	STTB 2,5/4P-PV	3061509

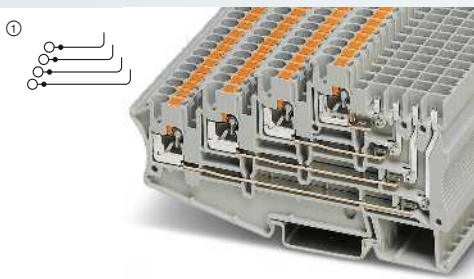
Accessories <sup>1)</sup>		
<b>Description</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
Cover, width 2.2 mm	D-STTB 2,5/4P	3061538 50

# Terminal blocks - CLIPLINE complete

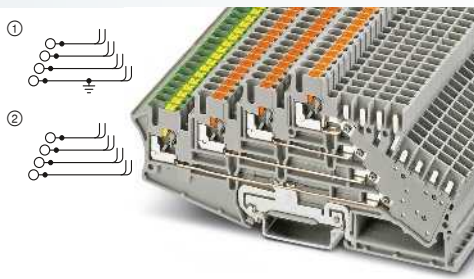
## 2.5 mm<sup>2</sup> COMBI PT plug-in connection solutions

### Multi-level terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 262.  
 2) For derating curve, visit phoenixcontact.net/products



10 A, four-level terminal block



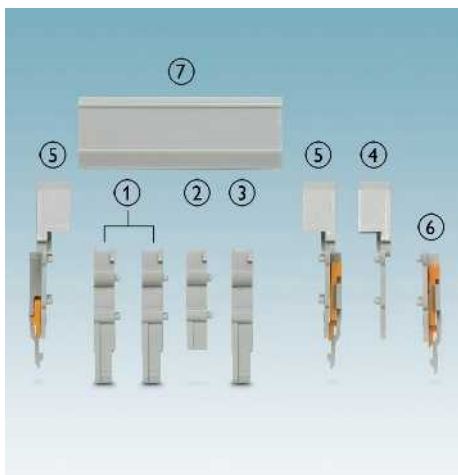
10 A, four-level terminal block with PE foot

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Description	
Description	Color
Terminal block	gray
Terminal block, with PE foot	gray
Terminal block, with two plug-in connections	gray
Cover, width 2.2 mm	gray

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	105.6	59 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10 <sup>2)</sup>	250	0.14 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	-	-	-	
10 <sup>2)</sup> / 1.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PT 2,5-4L/1P	3012300	50		
Accessories <sup>1)</sup>				
D-PT 2,5-4L/1P	3012301	10		

Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	125	59 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10 <sup>2)</sup>	250	0.14 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	-	-	-	
10 <sup>2)</sup> / 1.5	-	-	-	
Ordering data				
Type	Order No.	Pcs. / Pkt.		
PT 2,5-PE/3L/2P	3012316	50		
PT 2,5-4L/2P	3012310	50		
Accessories <sup>1)</sup>				
D-PT 2,5-4L/2P	3012311	10		

### Connector housing for four-level terminal block



- ① 4-pos. connector with CP-H 2,5-4L-Z engagement pin
- ② DP-CP-H 2,5-4L spacer plate
- ③ CP-H 2,5-4L 4-pos. connector
- ④ D-CP-H 2,5-4L cover profile carrier
- ⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
- ⑥ DFS-CP 2,5-4L self-locking flange cover
- ⑦ AP-CP-H cover profile

**Notes:**  
 In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.

Description		Color
Connector housing, for accommodating 4 socket contacts		gray
Connector housing with engagement pin		gray
Self-locking flange, can be marked with UC-TM		gray
Spacer plate		gray
Cover profile, 1 m, can be marked with UC-TM ...		gray
Cover profile carrier		gray
Cover profile carrier, with self-locking flange cover		gray
Self-locking flange cover		gray
Module socket contact, 0.5 - 1 mm <sup>2</sup>		silver
For conductors from 1.5 ... 2.5 mm <sup>2</sup>		silver

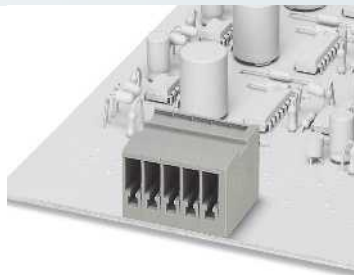


### Connector housing, for accommodating four socket contacts

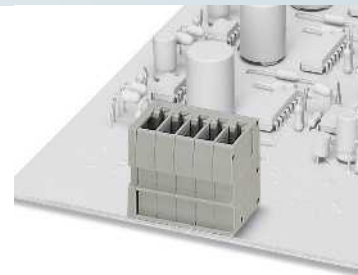
Ordering data			
Type	Order No.	Pcs. / Pkt.	
CP-H 2,5-4L	3012313	50	
CP-H 2,5-4L-PE	3012323	50	
CP-H 2,5-4L-Z	3012314	50	
CP-H 2,5-4L-Z-PE	3012324	50	
Accessories			
PT 2,5-4L/1P-FS	3012302	10	
DP-CP-H 2,5-4L	3012319	50	
AP-CP-H METER	3012315	10	
D-CP-H 2,5-4L	3012320	50	
DFS-CP-H 2,5-4L	3012317	50	
DFS-CP 2,5-4L	3012321	50	
STG-MTN 0,5-1,0	3190438	100	
STG-MTN 1,5-2,5	3190506	100	

COMBI headers for PCB connection

**Notes:**  
For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction



Technical data			
Width	Length	Height	
10.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	-	-
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	-
Rated cross section [mm <sup>2</sup> ]	2.5	-	-
General data			
Insulating material			
PA			
Inflammability class according to UL 94			
V0			

Ordering data			
Description	No. of pos.	Width	Color
COMBI header	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	COMBI header	2	10.4 mm
3		15.6 mm	gray
4		20.8 mm	gray
5		26 mm	gray
6		31.2 mm	gray
7		36.4 mm	gray
8		41.6 mm	gray
9		46.8 mm	gray
10		52 mm	gray
11		57.2 mm	gray
12		62.4 mm	gray

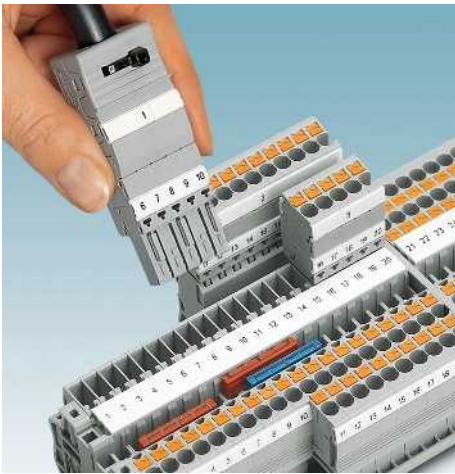
Type	Order No.	Pcs. / Pkt.
ST 2,5-PCB/ 2-G-5,2	1980378	50
ST 2,5-PCB/ 3-G-5,2	1980381	50
ST 2,5-PCB/ 4-G-5,2	1980394	50
ST 2,5-PCB/ 5-G-5,2	1980404	50
ST 2,5-PCB/ 6-G-5,2	1980417	50
ST 2,5-PCB/ 7-G-5,2	1980420	50
ST 2,5-PCB/ 8-G-5,2	1980433	50
ST 2,5-PCB/ 9-G-5,2	1980446	50
ST 2,5-PCB/10-G-5,2	1980459	50
ST 2,5-PCB/11-G-5,2	1980462	50
ST 2,5-PCB/12-G-5,2	1980475	50



Technical data			
Width	Length	Height	
10.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	-	-
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	-
Rated cross section [mm <sup>2</sup> ]	2.5	-	-
General data			
Insulating material			
PA			
Inflammability class according to UL 94			
V0			

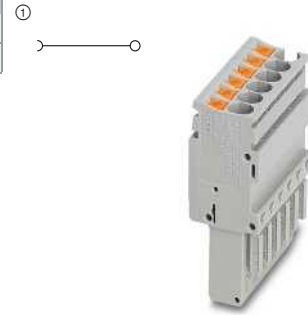
Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-PCBV/ 2-G-5,2	1980488	50
ST 2,5-PCBV/ 3-G-5,2	1980491	50
ST 2,5-PCBV/ 4-G-5,2	1980501	50
ST 2,5-PCBV/ 5-G-5,2	1980514	50
ST 2,5-PCBV/ 6-G-5,2	1980527	50
ST 2,5-PCBV/ 7-G-5,2	1980530	50
ST 2,5-PCBV/ 8-G-5,2	1980543	50
ST 2,5-PCBV/ 9-G-5,2	1980556	50
ST 2,5-PCBV/10-G-5,2	1980569	50
ST 2,5-PCBV/11-G-5,2	1980572	50
ST 2,5-PCBV/12-G-5,2	1980585	50

### COMBI connectors



- Extensive, optional snap-on accessories available
- Practical coding facility
- Large marking option
- Robust cable housings for strain relief on connecting cables are available

Notes:
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction



Dimensions	[mm]
5.2 x Number of positions	15.8

Max. electrical data	
$I_{max}$ [A]	500
$U_{max}$ [V]	300

Rated data	[V]
Rated voltage	500
Nominal current / cross section	24 <sup>2</sup> / 2.5

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	15.8	39	24
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2</sup>	500	0.14 - 4	26-12
IEC	UL / CUL	CSA	Ex

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
	1	5.2 mm	blue
	1	5.2 mm	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
PP-H 2,5/ 1	3209866	50
PP-H 2,5/ 2	3209879	50
PP-H 2,5/ 3	3209882	50
PP-H 2,5/ 4	3209895	50
PP-H 2,5/ 5	3209905	50
PP-H 2,5/ 6	3209918	25
PP-H 2,5/ 7	3209921	25
PP-H 2,5/ 8	3209934	25
PP-H 2,5/ 9	3209947	25
PP-H 2,5/10	3209950	25
PP-H 2,5/11	3209963	10
PP-H 2,5/12	3209976	10
PP-H 2,5/13	3209989	10
PP-H 2,5/14	3209992	10
PP-H 2,5/15	3210004	10
PP-H 2,5/ 1 BU	3210017	50
PP-H 2,5/ 1 GNYE	3210020	50

<b>Test plug metal part</b> , 2.3 mm Ø	silver
<b>Insulating sleeve</b> , for MPS metal part	red
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Latching</b> , for connectors, 1-pos.	orange
2-pos.	orange
<b>Strain relief</b> , for connectors, 2-pos.	black
<b>Screw flange cover</b> , for SP-H ... and PP-H ... COMBI connectors	gray
<b>Cable housing</b> , for SP-H... and PP-H... COMBI connectors	gray
3-pos.	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14 pos.	gray
15-pos.	gray

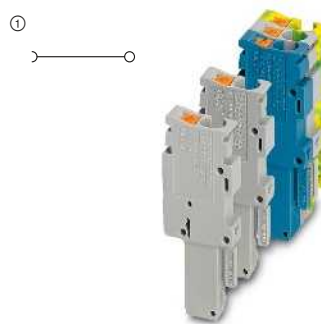
Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
DF-SP-H 2,5	3209824	50
PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25
PH 2,5/10	3209769	25
PH 2,5/11	3209772	10
PH 2,5/12	3209785	10
PH 2,5/13	3209798	10
PH 2,5/14	3209808	10
PH 2,5/15	3209811	10

### COMBI connectors for self-assembly

- The push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available
- The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.

- ① PP-H 2,5/S/1-L
- ② PP-H 2,5/S/1-M and PP-H 2,5/S/1-M BU
- ③ PP-H 2,5/S/1-R GNYE

Notes:
1) For additional accessories and technical data, see page 262.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction, for self-assembly



Dimensions	[mm]
Width	5.2 x Number of positions
Length	15.8
Height	39
Height when plugged in	24

Max. electrical data			
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2</sup>	500	0.14 - 4	26-12
IEC	UL / CUL	CSA	Ex

Rated data	
Rated voltage	[V]
500	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
24 <sup>2</sup> / 2.5	20 / -

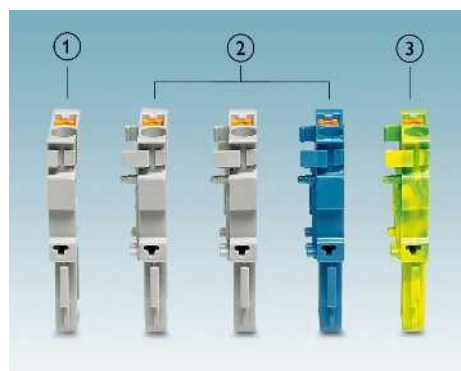
Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	15.8	39	24
$I_{max}$ [A]	$U_{max}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2</sup>	500	0.14 - 4	26-12
IEC	UL / CUL	CSA	Ex
500	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / -	-

Description	No. of pos.	Color
COMBI connector, left element	1	gray
	1	blue
	1	green-yellow
COMBI connector, center element	1	gray
	1	blue
COMBI connector, right element	1	green-yellow
	1	gray
COMBI connector, right element	1	blue
	1	green-yellow
	1	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
PP-H 2,5/1-L	① 3210062	50
PP-H 2,5/1-L BU	① 3210075	50
PP-H 2,5/1-L GNYE	① 3210088	50
PP-H 2,5/1-M	① 3210091	50
PP-H 2,5/1-M BU	① 3210101	50
PP-H 2,5/1-M GNYE	① 3210114	50
PP-H 2,5/1-R	① 3210127	50
PP-H 2,5/1-R BU	① 3210130	50
PP-H 2,5/1-R GNYE	① 3210143	50

Test plug metal part, 2.3 mm $\varnothing$	silver
Insulating sleeve, for MPS metal part	red
Latching and strain relief, for all plugs with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	
Screw flange cover, for SP-H... and PP-H... COMBI connectors	black
Cable housing, for SP-H... and PP-H... COMBI connectors	gray
3-pos.	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14 pos.	gray
15-pos.	gray

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
DF-SP-H 2,5	3209824	50
PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25
PH 2,5/10	3209769	25
PH 2,5/11	3209772	10
PH 2,5/12	3209785	10
PH 2,5/13	3209798	10
PH 2,5/14	3209808	10
PH 2,5/15	3209811	10



# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI PT plug-in connection solutions

### General technical data for 4 mm<sup>2</sup> COMBI PT push-in connection terminal blocks

<b>Rated data</b>		IEC 61984			
Rated cross section	[mm <sup>2</sup> ]	4			
Cross section range	AWG	24 - 10			
<b>Connection capacity</b>		solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1
Plug-in connection cross sections	[mm <sup>2</sup> ]	0.5 - 6	-	0.5 - 4	0.5 - 4
<b>General data</b>					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Inflammability class according to UL 94		V0			
<b>Note: additional or deviating data is documented for the product.</b>					

#### Notes:

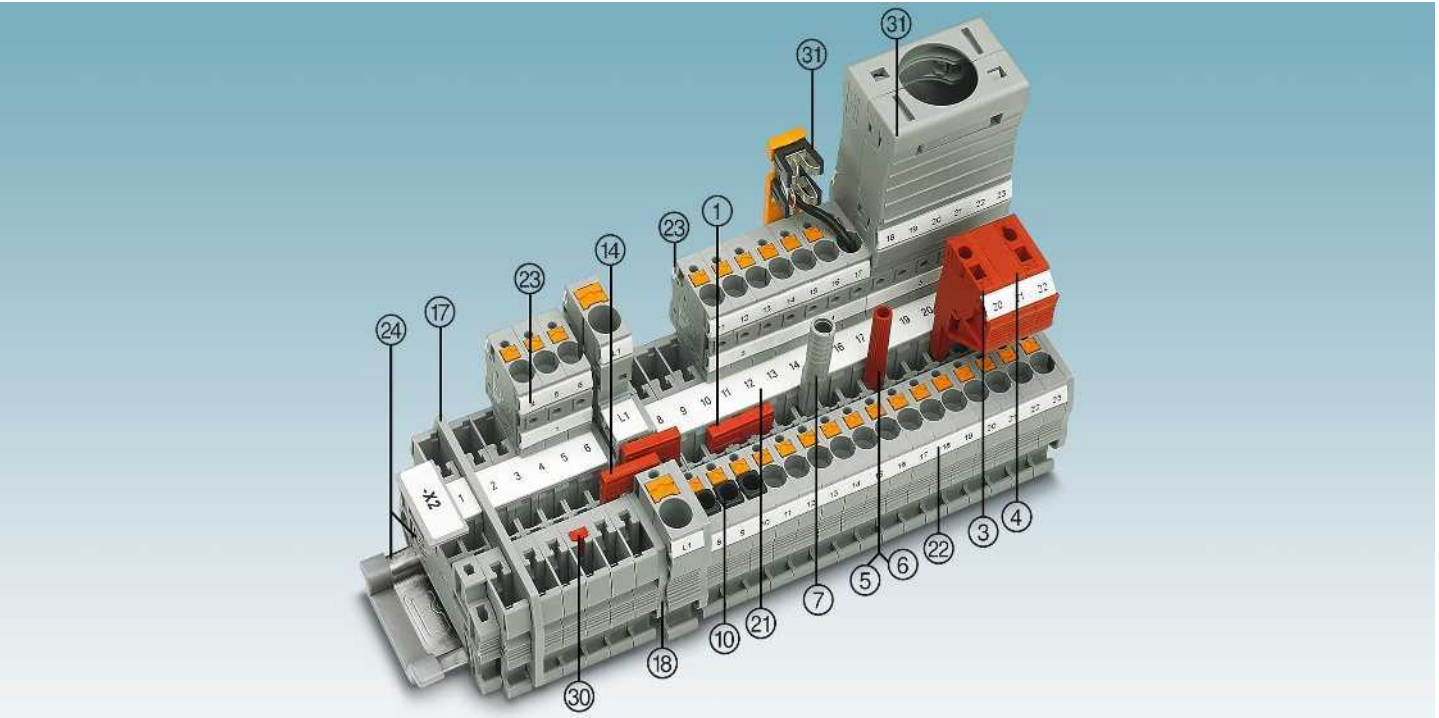


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 4 mm<sup>2</sup> COMBI PT push-in connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve 0.75 - 1 mm <sup>2</sup>		gray	ISH 4/0,5	3002885	50			
		black	ISH 4/1,0	3002898	50			
⑫ Coding profile Screwdriver		red	PC	3040588	50			
			SF-SL 0,6X3,5-100 S-VDE	1212587	10			

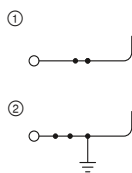
⑭ Reducing bridge	For RB ..., see page 344.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Center groove marking	UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.
⑲ Center and lateral groove marking	UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
⑲ Lateral groove marking	UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
⑲ DIN rails and end brackets	See Catalog 5.
⑲ Latching, strain relief, shielding	See page 312 onwards.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

## PT COMBI feed-through terminal blocks

## Notes:

1) For additional accessories and technical data, see page 270.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
	6.2	56	36.5 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	32 <sup>2)</sup>	800	0.2 - 6 24-10
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)	
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	800	600	600 -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	28 / - 28 / -

## Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	PT 4/1P	① 3211937	50
	blue	PT 4/1P BU	① 3212007	50
Ground terminal	green-yellow	PT 4/1P-PE	② 3211942	50

Accessories<sup>1)</sup>

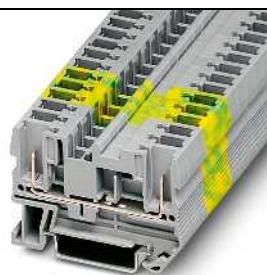
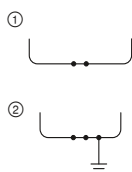
Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-ST 4 3030420	50

## Feed-through terminal blocks and ground terminals

## Notes:

1) For additional accessories and technical data, see page 270.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
	6.2	55.9	36.5 (NS 35/7,5)
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	32 <sup>2)</sup>	800	0.08 - 6 -
Max. bridge current	[A]	32 (FBS) / 24 (FBSR)	
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	800	-	- -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	- - -
Cross section range	AWG	28 - 10	- - -
Connection capacity	solid	stranded	Ferrule without/with plastic sleeve
1 conductor	0.08 - 6	0.08 - 4	0.14 - 4 0.14 - 4

## Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Terminal block	gray	ST 4/ 2P	① 3042735	50
	blue	ST 4/ 2P BU	① 3043789	50
Ground terminal	green-yellow	ST 4/ 2P-PE	② 3042748	50

Accessories<sup>1)</sup>

Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-ST 4 3030420	50

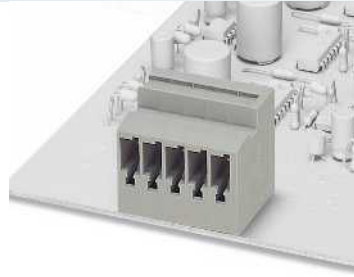
# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI PT plug-in connection solutions

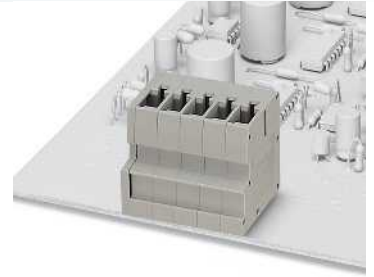
### COMBI headers for PCB connection

#### Notes:

For additional accessories and technical data, see page 314 or visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction



#### Technical data

Dimensions		Width	Length	Height
		12.4	-	-
		[mm]		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
		32	800	- -
Rated data		IEC	UL / CUL	CSA Ex
Rated voltage		800	600	- -
Nominal current / cross section		[A] / [mm <sup>2</sup> ]	32 / 4	20 / -
Rated cross section		[mm <sup>2</sup> ]	4	- -
General data		Insulating material		
		PA		
		Inflammability class according to UL 94		
		V0		



#### Technical data

Dimensions		Width	Length	Height
		12.4	-	-
		[mm]		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
		32	800	- -
Rated data		IEC	UL / CUL	CSA Ex
Rated voltage		800	600	- -
Nominal current / cross section		[A] / [mm <sup>2</sup> ]	32 / 4	20 / -
Rated cross section		[mm <sup>2</sup> ]	4	- -
General data		Insulating material		
		PA		
		Inflammability class according to UL 94		
		V0		

#### Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
COMBI header	2	12.4 mm	gray	ST 4-PCB/ 2-G-6,2	1980598	50
	3	18.9 mm	gray	ST 4-PCB/ 3-G-6,2	1980608	50
	4	24.8 mm	gray	ST 4-PCB/ 4-G-6,2	1980611	50
	5	31 mm	gray	ST 4-PCB/ 5-G-6,2	1980624	50
	6	37.2 mm	gray	ST 4-PCB/ 6-G-6,2	1980637	50
	7	43.4 mm	gray	ST 4-PCB/ 7-G-6,2	1980640	50
	8	49.6 mm	gray	ST 4-PCB/ 8-G-6,2	1980653	50
	9	55.8 mm	gray	ST 4-PCB/ 9-G-6,2	1980666	50
	10	62 mm	gray	ST 4-PCB/10-G-6,2	1980679	50
	11	68.2 mm	gray	ST 4-PCB/11-G-6,2	1980682	50
	12	74.4 mm	gray	ST 4-PCB/12-G-6,2	1980695	50
	COMBI header	2	12.4 mm	gray		
3		18.6 mm	gray			
4		24.8 mm	gray			
5		31 mm	gray			
6		37.2 mm	gray			
7		43.4 mm	gray			
8		49.6 mm	gray			
9		55.8 mm	gray			
10		62 mm	gray			
11		68.2 mm	gray			
12		74.4 mm	gray			

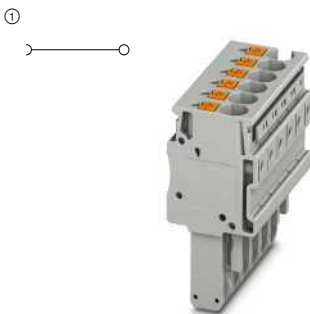
#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-PCBV/ 2-G-6,2	1980705	50
ST 4-PCBV/ 3-G-6,2	1980718	50
ST 4-PCBV/ 4-G-6,2	1980721	50
ST 4-PCBV/ 5-G-6,2	1980734	50
ST 4-PCBV/ 6-G-6,2	1980747	50
ST 4-PCBV/ 7-G-6,2	1980750	50
ST 4-PCBV/ 8-G-6,2	1980763	50
ST 4-PCBV/ 9-G-6,2	1980776	50
ST 4-PCBV/10-G-6,2	1980789	50
ST 4-PCBV/11-G-6,2	1980792	50
ST 4-PCBV/12-G-6,2	1980802	50

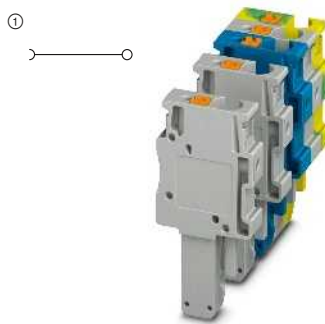


COMBI connectors

<b>Notes:</b>
1) For additional accessories and technical data, see page 270.
2) For derating curve, visit phoenixcontact.net/products



4 (6) mm<sup>2</sup>, 32 A, connector, connection in plug-in direction



32 A, connector, connection in plug-in direction, for self-assembly



<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
6.2 x Number of positions	21	42.3	24
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.2 - 6	24-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 <sup>2)</sup> / 4	28 / -	-	-

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
6.2 x Number of positions	21	42.3	24
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.2 - 6	24-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 <sup>2)</sup> / 4	28 / -	-	-

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	6.2 mm	gray
	2	12.4 mm	gray
	3	18.6 mm	gray
	4	24.8 mm	gray
	5	31 mm	gray
	6	37.2 mm	gray
	7	43.4 mm	gray
	8	49.6 mm	gray
	9	55.8 mm	gray
	10	62 mm	gray
	11	68.2 mm	gray
	12	74.4 mm	gray
	13	80.6 mm	gray
	14	86.8 mm	gray
	15	93 mm	gray
<b>COMBI connector, left element</b>	1	6.2 mm	blue
	1	6.2 mm	green-yellow
<b>COMBI connector, center element</b>	1	6.2 mm	gray
	1	6.2 mm	blue
<b>COMBI connector, right element</b>	1	6.2 mm	green-yellow
	1	6.2 mm	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
PP-H 4/ 1	3212010	50
PP-H 4/ 2	3212016	50
PP-H 4/ 3	3212022	50
PP-H 4/ 4	3212029	50
PP-H 4/ 5	3212035	50
PP-H 4/ 6	3212041	25
PP-H 4/ 7	3212048	25
PP-H 4/ 8	3212054	25
PP-H 4/ 9	3212061	25
PP-H 4/10	3212067	25
PP-H 4/11	3212074	10
PP-H 4/12	3212080	10
PP-H 4/13	3212087	10
PP-H 4/14	3212093	10
PP-H 4/15	3212100	10
PP-H 4/ 1 BU	3212077	50
PP-H 4/ 1 GNYE	3212088	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
PP-H 4/ 1-L	3211948	50
PP-H 4/ 1-L BU	3211951	50
PP-H 4/ 1-L GNYE	3211958	50
PP-H 4/ 1-M	3211965	50
PP-H 4/ 1-M BU	3211964	50
PP-H 4/ 1-M GNYE	3211971	50
PP-H 4/ 1-R	3211977	50
PP-H 4/ 1-R BU	3211980	50
PP-H 4/ 1-R GNYE	3211987	50

<b>Test plug metal part</b> , 2.3 mm Ø	silver
<b>Insulating sleeve</b> , for MPS metal part	red
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Latching</b> , for connectors, 1-pos.	orange
2-pos.	orange
<b>Strain relief</b> , for connectors, 2-pos.	black
<b>Cable housing</b> , for PP-H 4... COMBI connectors	gray

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PH 4/2	3000734	50
PH 4/3	3000736	50
PH 4/4	3000737	50
PH 4/5	3000738	50
PH 4/6	3000739	25
PH 4/7	3000740	25
PH 4/8	3000741	25
PH 4/9	3000742	25
PH 4/10	3000743	25

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PH 4/2	3000734	50
PH 4/3	3000736	50
PH 4/4	3000737	50
PH 4/5	3000738	50
PH 4/6	3000739	25
PH 4/7	3000740	25
PH 4/8	3000741	25
PH 4/9	3000742	25
PH 4/10	3000743	25

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> COMBI PT plug-in connection solutions

### General technical data for 6 mm<sup>2</sup> COMBI PT push-in connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	6
Cross section range	AWG	20 - 8
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.5 - 10      0.5 - 6      0.5 - 6      0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      0.5 - 1.5
Plug-in connection cross sections	[mm <sup>2</sup> ]	1 - 10      -      1 - 6      1 - 6
<b>General data</b>		
Stripping length	[mm]	12
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

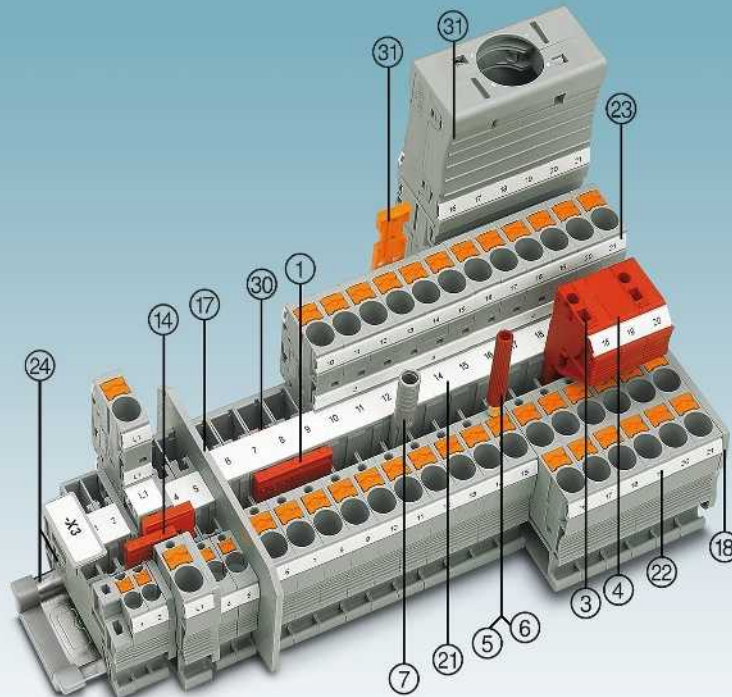


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 6 mm<sup>2</sup> COMBI PT push-in connection terminal blocks



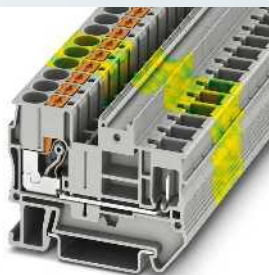
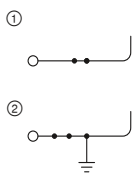
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red				FBSR 16-8	3033816	10
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑧ Coding profile		red	PC	3040588	50			
Screwdriver			SZF 2-0,8X4,0	1204520	10			
⑭ Reducing bridge	For RB ..., see page 344.							
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products							
⑱ Cover	Documented for the product.							
⑲ Center groove marking	UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.							
⑳ Center and lateral groove marking	UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.							
㉑ Lateral groove marking	UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 5, selection tables from page 100.							
㉒ DIN rails and end brackets	See Catalog 5.							
㉓ Latching, strain relief, shielding	See page 312.							
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.							

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**

1) For additional accessories and technical data, see page 274.

2) For derating curve, visit phoenixcontact.net/products



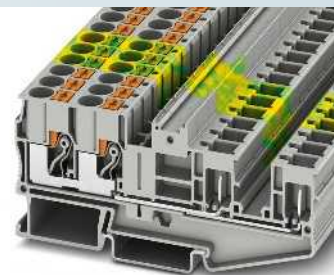
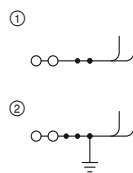
41 A, feed-through terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	57.7	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41 <sup>2)</sup>	1000	0.5 - 10	20-8	
41 (FBS)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 6/1P	3061758	50	
PT 6/1P BU	3061761	50	
PT 6/1P-PE	3061774	50	

Accessories <sup>1)</sup>		
D-PT 6	Order No.	Pcs. / Pkt.
D-PT 6	3212044	50



41 A, feed-through terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	99.8	43.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
41	1000	0.5 - 10	20-8	
41 (FBS)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PT 6-QUATTRO/2P	3061826	50	
PT 6-QUATTRO/2P BU	3061839	50	
PT 6-QUATTRO/2P-PE	3061842	50	

Accessories <sup>1)</sup>		
D-PT 6-QUATTRO/2P	Order No.	Pcs. / Pkt.
D-PT 6-QUATTRO/2P	3061855	50

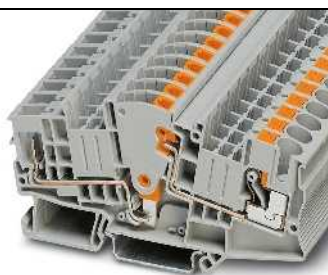
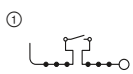
### Test disconnect terminal blocks

**Notes:**

1) For additional accessories and technical data, see page 274.

2) For derating curve, visit phoenixcontact.net/products

For pre-assembled jumpers, see phoenixcontact.net/products



30 A, test disconnect terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
8.2	99.4	49.6 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	500	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 <sup>2)</sup> / 6		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTME 6/1P	3212306	50	

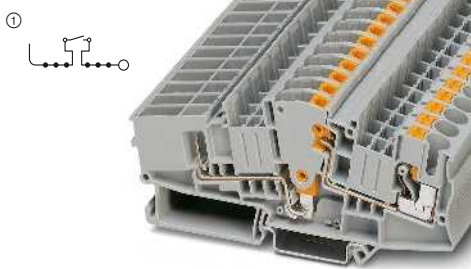
Accessories <sup>1)</sup>		
D-PTME 6/1P	Order No.	Pcs. / Pkt.
D-PTME 6/1P	3212307	10

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> COMBI PT plug-in connection solutions

### Test disconnect terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 274.



30 A, current transformer disconnect terminal block, for short-circuit plugs

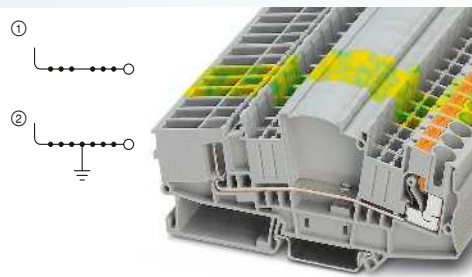


Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	8.2	114.9	49.6 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	30	500	0.5 - 10	20-8
	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	500	600	600	-
	30 / 6	30 / -	30 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTME 6-CT/1P	3212300	50	

Accessories <sup>1)</sup>			
D-PTME 6-CT/1P	Order No.	Pcs. / Pkt.	
D-PTME 6-CT/1P	3212303	10	

Max. bridge current	[A]	41 (FBS) / 32 (FBSR)
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / 6
Description	Color	
Disconnect terminal block	gray	
Feed-through terminal block	gray	
Ground terminal	green-yellow	
Cover, width 2.2 mm	gray	



30 A, feed-through terminal block, for short-circuit plugs



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	8.2	114.9	49.6 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	30	500	0.5 - 10	20-8
	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
	500	600	600	-
	30 / 6	30 / -	30 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTMED 6-CT/1P	3212301	50	
PTMED 6-CT/1P-PE	3212302	50	

Accessories <sup>1)</sup>			
D-PTME 6-CT/1P	Order No.	Pcs. / Pkt.	
D-PTME 6-CT/1P	3212303	10	

### Connector, with integrated short-circuit function

**Notes:**  
 1) For additional accessories and technical data, see page 274.



20 A, connector, 2-pos.



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	16.4	38.5	48.5	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	320	0.5 - 10	20-8
Rated data	IEC	UL / CUL	CSA	Ex
	320	600	600	-
	20 / 6	30 / -	30 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PPCT 6/2	3212304	10	

Rated voltage	[V]	320
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / 6
Description	Color	
COMBI connector, with integrated short-circuit function, 2-pos.	gray	
3-pos.	gray	



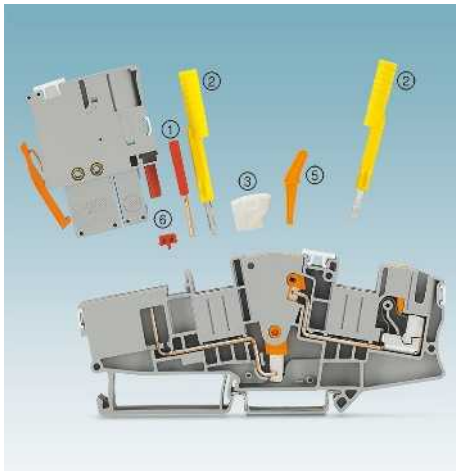
20 A, connector, 3-pos.



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	24.6	38.5	48.5	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	320	0.5 - 10	20-8
Rated data	IEC	UL / CUL	CSA	Ex
	320	600	600	-
	20 / 6	30 / -	30 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PPCT 6/3	3212305	10	

### Supplementary accessories for PTME 6-CT/1P test disconnect terminal blocks



- Current transformer measuring circuit can be created using just two PTME 6-CT/1P
- Less space required compared to creating circuits with slide-type terminal blocks
- ① FBS... jumper for cross connection
- ② 4 mm Ø PAI-4-FIX... test plug adapter
- ③ S-ME 6 switching lock
- ④ SB-ME... switching jumper
- ⑤ C-ME 6/2 connection bridge
- ⑥ PC-CT 6... coding set

#### Notes:

1) The coding set can be used to code up to 30 plugs.

Ordering data					
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
<b>Test adapter</b> , for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	<b>PAI-4-FIX-5/6 OG</b>	<b>3035974</b>	10
	1	yellow	<b>PAI-4-FIX-5/6 YE</b>	<b>3035977</b>	10
	1	green	<b>PAI-4-FIX-5/6 GN</b>	<b>3035978</b>	10
	1	violet	<b>PAI-4-FIX-5/6 VT</b>	<b>3035979</b>	10
	1	black	<b>PAI-4-FIX-5/6 BK</b>	<b>3035980</b>	10
	1	blue	<b>PAI-4-FIX-5/6 BU</b>	<b>3035975</b>	10
	1	red	<b>PAI-4-FIX-5/6 RD</b>	<b>3035976</b>	10
	1	gray	<b>PAI-4-FIX-5/6 GY</b>	<b>3035982</b>	10
	1	brown	<b>PAI-4-FIX-5/6 BN</b>	<b>3035981</b>	10
<b>Switching lock</b> , plug-in		white	<b>S-ME 6</b>	<b>3034439</b>	10
<b>Switching jumper</b> , plug-in	2	gray/orange	<b>SB-ME 2-8</b>	<b>3034468</b>	10
	3	gray/orange	<b>SB-ME 3-8</b>	<b>3032800</b>	10
	4	gray/orange	<b>SB-ME 4-8</b>	<b>3034484</b>	10
<b>Operating lever</b> , for actuating test disconnect terminal blocks		orange	<b>C-ME 6/1</b>	<b>3034441</b>	10
	2	orange	<b>C-ME 6/2</b>	<b>3034442</b>	10
	3	orange	<b>C-ME 6/3</b>	<b>3034390</b>	50
<b>Coding set</b> , for 2-pos. plugs <sup>1)</sup>		red	<b>PC-CT 6/2</b>	<b>3212308</b>	1

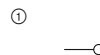
### Couplings

**Notes:**

<sup>1)</sup> For additional accessories and technical data, see page 274.



41 A, coupling



41 A, coupling, for self-assembly



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2 x Number of positions	47	24.7	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	1000	0.5 - 10	20-8
IEC	UL / CUL	CSA	Ex
1000	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	40 36

Ordering data		
Type	Order No.	Pcs. / Pkt.
PPC 6/2	3000693	25
PPC 6/3	3000694	25
PPC 6/4	3000695	25
PPC 6/5	3000697	25
PPC 6/6	3000698	25
PPC 6/7	3000699	25
PPC 6/8	3000700	25
PPC 6/9	3000701	25
PPC 6/10	3000702	25

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-PPC 6	3000703	10
PC	3040588	50
PZ/2	3040627	50



Technical data <sup>1)</sup>			
Width	Length	Height	
8.2 x Number of positions	47	24.7	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	1000	0.5 - 10	20-8
IEC	UL / CUL	CSA	Ex
1000	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	40 36

Ordering data		
Type	Order No.	Pcs. / Pkt.
PPC 6/1-L	3000690	50
PPC 6/1-L BU	3000691	50
PPC 6/1-L GNYE	3000692	50

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-PPC 6	3000703	10
PC	3040588	50
PZ/2	3040627	50

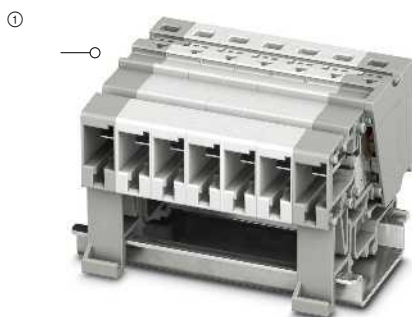
Description	No. of pos.	Width	Color
COMBI header	2	16.4 mm	gray
	3	24.6 mm	gray
	4	32.8 mm	gray
	5	41 mm	gray
	6	49.2 mm	gray
	7	57.4 mm	gray
	8	65.6 mm	gray
	9	73.8 mm	gray
	10	82 mm	gray
	COMBI coupling, for self-assembly	1	8.2 mm
1		8.2 mm	blue
1		8.2 mm	green/yellow

Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red
Cover, width 2.2 mm	gray
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red
Strain relief, for connectors, 2-pos.	black

## Couplings

## Notes:

<sup>1)</sup> For additional accessories and technical data, see page 274.



41 A, coupling for DIN rail mounting



Dimensions	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	
8.2	27	38 (NS 35/7,5) / 38 (NS 15)	
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	1000	0.5 - 10	20-8
IEC	UL / CUL	CSA	Ex
1000	600	600	-
41 / 6	40	36	-

Description	Color
<b>COMBI header</b>	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
PPC 6-NS/1-L <sup>①</sup>	3000689	50

<b>Cover</b> , width 2.2 mm	gray
<b>Coding star</b> , with 4 coding branches, can be inserted in all basic terminal blocks	red
<b>Strain relief</b> , for connectors, 2-pos.	black

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
<b>D-PPC 6</b>	3000703	10
<b>PC</b>	3040588	50
<b>PZ/2</b>	3040627	50

# Terminal blocks - CLIPLINE complete

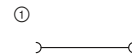
## 6 mm<sup>2</sup> COMBI PT plug-in connection solutions

### COMBI connectors

Notes:
1) For additional accessories and technical data, see page 274.
2) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction



41 A, connector, connection in plug-in direction, for self-assembly



Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
8.2 x Number of positions	21	49.3	31.2
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41 <sup>2)</sup>	1000	0.5 - 10	20-8
IEC	UL / CUL	CSA	Ex
1000	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6	40 / -



Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
8.2 x Number of positions	21	49.3	31.2
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
41 <sup>2)</sup>	1000	0.5 - 10	20-8
IEC	UL / CUL	CSA	Ex
1000	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 <sup>2)</sup> / 6	40 / -

Ordering data			
Description	No. of pos.	Width	Color
COMBI connectors	1	8.2 mm	gray
	2	16.4 mm	gray
	3	24.6 mm	gray
	4	32.8 mm	gray
	5	41 mm	gray
	6	49.2 mm	gray
	7	57.4 mm	gray
	8	65.6 mm	gray
	9	73.8 mm	gray
	10	8.2 mm	gray
COMBI connector, left element	1	8.2 mm	gray
	1	8.2 mm	gray
COMBI connector, center element	1	8.2 mm	gray
	1	8.2 mm	gray
COMBI connector, right element	1	8.2 mm	gray
	1	8.2 mm	gray

Type	Order No.	Pcs. / Pkt.
PP-H 6/ 1	3061541	50
PP-H 6/ 2	3061570	50
PP-H 6/ 3	3061583	50
PP-H 6/ 4	3061596	50
PP-H 6/ 5	3061606	50
PP-H 6/ 6	3061619	25
PP-H 6/ 7	3061622	25
PP-H 6/ 8	3061635	25
PP-H 6/ 9	3061648	25
PP-H 6/10	3061651	25
PP-H 6/ 1 BU	3061554	50
PP-H 6/ 1 GNYE	3061567	50

Ordering data			
Type	Order No.	Pcs. / Pkt.	
PP-H 6/ 1-L	3061664	50	
PP-H 6/ 1-L BU	3061677	50	
PP-H 6/ 1-L GNYE	3061680	50	
PP-H 6/ 1-M	3061693	50	
PP-H 6/ 1-M BU	3061703	50	
PP-H 6/ 1-M GNYE	3061716	50	
PP-H 6/ 1-R	3061729	50	
PP-H 6/ 1-R BU	3061732	50	
PP-H 6/ 1-R GNYE	3061745	50	

Accessories <sup>1)</sup>		
Test plug metal part, 2.3 mm Ø	silver	
Insulating sleeve, for MPS metal part	red	
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange	
Latching, for connectors, 1-pos.	orange	
Latching, for connectors, 2-pos.	orange	
Strain relief, for connectors, 2-pos.	black	
Cable housing, for PP-H 6... COMBI connectors	gray	
3-pos.	gray	
4-pos.	gray	
5-pos.	gray	
6-pos.	gray	
7-pos.	gray	

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PH 6/2	3000680	25
PH 6/3	3000681	25
PH 6/4	3000682	25
PH 6/5	3000683	25
PH 6/6	3000684	10
PH 6/7	3000685	10

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PH 6/2	3000680	25
PH 6/3	3000681	25
PH 6/4	3000682	25
PH 6/5	3000683	25
PH 6/6	3000684	10
PH 6/7	3000685	10





# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### General technical data for 2.5 mm<sup>2</sup> COMBI ST spring-cage connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	28 - 12
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.08 - 4      0.08 - 2.5      0.14 - 2.5      0.14 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      0.5
<b>General data</b>		
Stripping length	[mm]	8 - 10
Insulating material		PA
Inflammability class according to UL 94		VO

**Note: additional or deviating data is documented for the product.**

#### Notes:

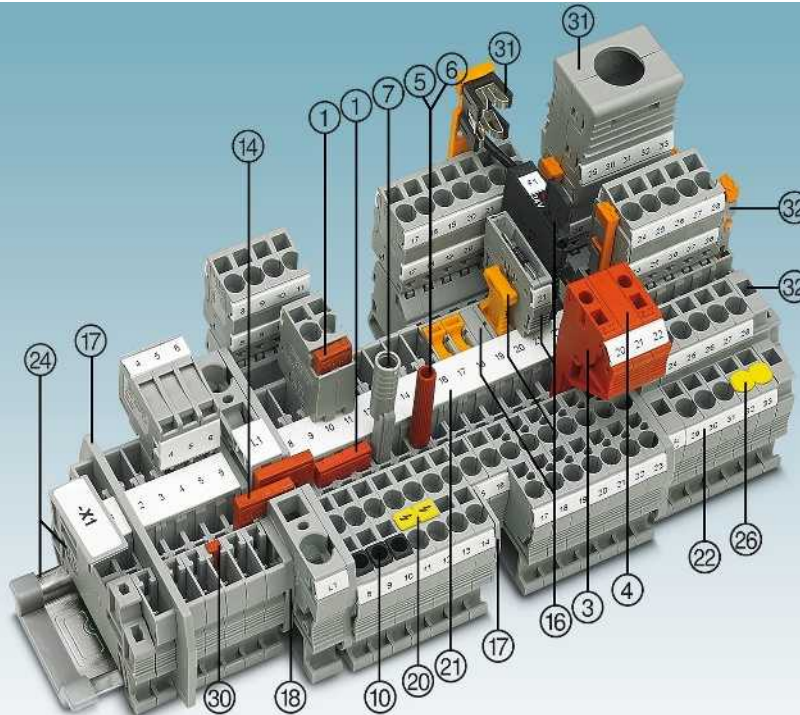


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> COMBI ST spring-cage connection terminal blocks

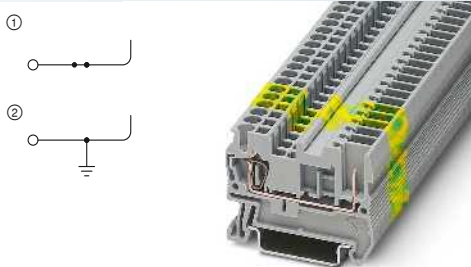


Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve		white	ISH 2,5/0,2	3002843	50			
		gray	ISH 2,5/0,5	3002856	50			
		black	ISH 2,5/1,0	3002869	50			
Screwdriver			SZF 1-0,6X3,5	1204517	10			

⑭ Reducing bridge	For RB ..., see page 344.
⑮ Fuse and function plugs for disconnect terminal blocks	For P-FU ... / P-DI / P-FIX / P-CO ..., see page 349 onwards.
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit phoenixcontact.net/products
⑱ Cover	Documented for the product.
⑲ Warning labels	For WS ..., see page 353.
⑲ Center groove marking	UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.
⑲ Center and lateral groove marking	UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.
⑲ DIN rails and end brackets	See Catalog 5.
⑲ Cover for conductor shaft	For CEC ..., see page 348.
⑲ Latching, strain relief, shielding	See page 312 onwards.
⑲ Screw flanges, screw flange cover	See page 320 onwards.
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>
For screw flange, see page 320.
For self-locking flange, see page 319.



24 A, feed-through terminal block



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	5.2	48.5	36.5 (NS 35/7,5)
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	24 <sup>2)</sup>	500	0.08 - 4 28-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	500	600	300 -
Nominal current / cross section	24 <sup>2)</sup> / 2.5	20 / -	20 / / -

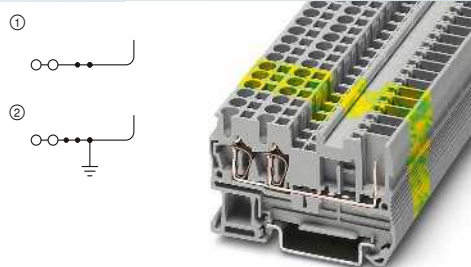
#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5/ 1P	① 3040012	50
ST 2,5/ 1P BU	① 3040656	50
ST 2,5/ 1P-PE	② 3040025	50

#### Accessories<sup>1)</sup>

D-ST 2,5	Order No.	Pcs. / Pkt.
D-ST 2,5	3030417	50

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



24 A, feed-through terminal block, 3 connections



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	5.2	60.5	36.5 (NS 35/7,5)
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	24	500	0.08 - 4 28-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	500	600	300 -
Nominal current / cross section	24 / 2.5	20 / -	20 / -

#### Ordering data

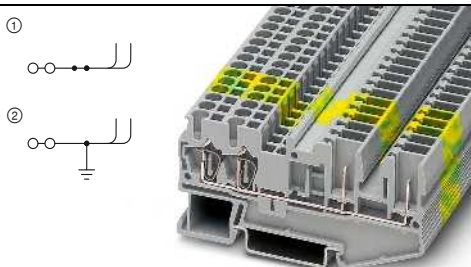
Type	Order No.	Pcs. / Pkt.
ST 2,5-TWIN/ 1P	① 3042117	50
ST 2,5-TWIN/ 1P BU	① 3042104	50
ST 2,5-TWIN/ 1P-PE	② 3042120	50

#### Accessories<sup>1)</sup>

D-ST 2,5-TWIN	Order No.	Pcs. / Pkt.
D-ST 2,5-TWIN	3030488	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>
For screw flange, see page 320.
For self-locking flange, see page 319.



24 A, feed-through terminal block, 4 connections



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	5.2	81	36.5 (NS 35/7,5)
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	24	500	0.08 - 4 28-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	500	600	300 -
Nominal current / cross section	24 / 2.5	20 / -	20 / -

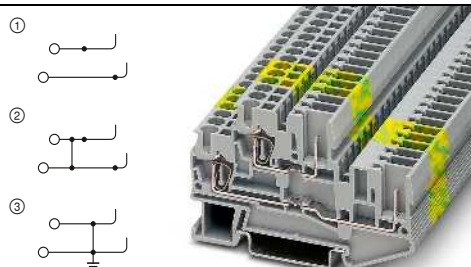
#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 2,5-QUATTRO/2P	① 3040038	50
ST 2,5-QUATTRO/2P BU	① 3040669	50
ST 2,5-QUATTRO/2P-PE	② 3040041	50

#### Accessories<sup>1)</sup>

D-ST 2,5-QUATTRO/ 2P	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO/ 2P	3040083	50

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
	blue
Ground terminal	green-yellow
Cover, width 2.2 mm	gray



22 A, feed-through terminal block



#### Technical data<sup>1)</sup>

Dimensions	Width	Length	Height
[mm]	5.2	71.5	47.5 (NS 35/7,5)
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
	22 <sup>2)</sup>	500	0.08 - 4 28-12
Max. bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA Ex
Rated voltage	500	600	300 -
Nominal current / cross section	22 <sup>2)</sup> / 2.5	20 / -	20 / -

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STTB 2,5/2P	① 3040054	50
STTB 2,5/2P BU	① 3040672	50
STTB 2,5/2P-PV	② 3040070	50
STTB 2,5/2P-PV BU	② 3040685	50
STTB 2,5/2P-PE	③ 3040067	50

#### Accessories<sup>1)</sup>

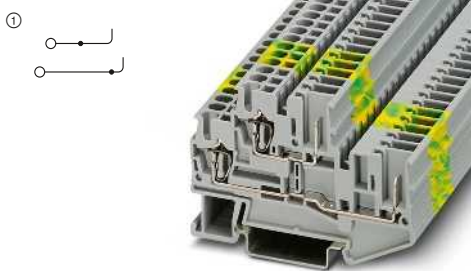
D-STTB 2,5/ 2P	Order No.	Pcs. / Pkt.
D-STTB 2,5/ 2P	3040096	50

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### Multi-level terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



22 A, feed-through terminal block



22 A, feed-through terminal block, with equipotential bonding



Technical data <sup>1)</sup>	
<b>Dimensions</b>	[mm]
Width	5.2
Length	71.5
Height	47.5 (NS 35/7,5)
<b>Max. electrical data</b>	
$I_{max}$ [A]	22 <sup>2)</sup>
$U_{max}$ [V]	500
max. $\varnothing$ [mm <sup>2</sup> ]	0.08 - 4
AWG (UL)	28-12
24 (FBS) / 17.5 (FBSR)	
<b>Rated data</b>	
IEC	UL / CUL
CSA	Ex
Rated voltage	500
Nominal current / cross section	22 <sup>2)</sup> / 2.5

Technical data <sup>1)</sup>	
<b>Dimensions</b>	[mm]
Width	5.2
Length	71.5
Height	47.5 (NS 35/7,5)
<b>Max. electrical data</b>	
$I_{max}$ [A]	22 <sup>2)</sup>
$U_{max}$ [V]	500
max. $\varnothing$ [mm <sup>2</sup> ]	0.08 - 4
AWG (UL)	28-12
24 (FBS) / 17.5 (FBSR)	
<b>Rated data</b>	
IEC	UL / CUL
CSA	Ex
Rated voltage	500
Nominal current / cross section	22 <sup>2)</sup> / 2.5

Ordering data	
<b>Description</b>	Color
<b>Terminal block</b> , with marking groove on the plug-in side	gray
	blue
	gray
<b>Ground terminal</b> , with marking groove on the plug-in side	green/yellow

Ordering data		
<b>Type</b>	Order No.	Pcs. / Pkt.
STTB 2,5/2P SO	3040892	50
STTB 2,5/2P BU SO	3040902	50
STTB 2,5/2P-PE SO	3040915	50

Ordering data		
<b>Type</b>	Order No.	Pcs. / Pkt.
STTB 2,5/2P-PV SO	3040928	50

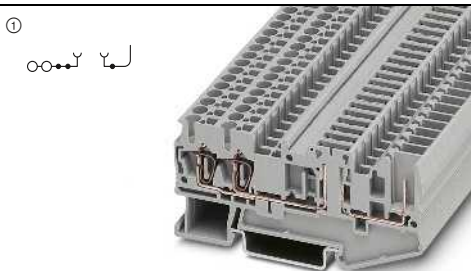
Accessories <sup>1)</sup>	
<b>Cover</b> , width 2.2 mm	gray

Accessories <sup>1)</sup>		
<b>D-STTB 2,5/ 2P</b>	3040096	50

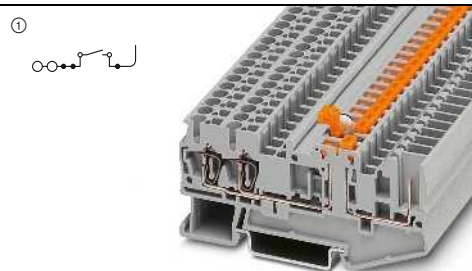
Accessories <sup>1)</sup>		
<b>D-STTB 2,5/ 2P</b>	3040096	50

### Disconnect and knife disconnect terminal blocks

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) Current and voltage are determined by the connector used.
3) For derating curve, visit phoenixcontact.net/products



20 A, disconnect terminal block, 3 connections



20 A, knife disconnect terminal block, 3 connections



Technical data <sup>1)</sup>	
<b>Dimensions</b>	[mm]
Width	5.2
Length	81
Height	36.5 (NS 35/7,5)
<b>Max. electrical data</b>	
$I_{max}$ [A]	20 <sup>3)</sup>
$U_{max}$ [V]	400 <sup>2)</sup>
max. $\varnothing$ [mm <sup>2</sup> ]	0.08 - 4
AWG (UL)	28-12
24 (FBS) / 17.5 (FBSR)	
<b>Rated data</b>	
IEC	UL / CUL
CSA	Ex
Rated voltage	400 <sup>2)</sup>
Nominal current / cross section	20 <sup>3)</sup> / 2.5

Technical data <sup>1)</sup>	
<b>Dimensions</b>	[mm]
Width	5.2
Length	81
Height	36.5 (NS 35/7,5)
<b>Max. electrical data</b>	
$I_{max}$ [A]	20 <sup>3)</sup>
$U_{max}$ [V]	400
max. $\varnothing$ [mm <sup>2</sup> ]	0.08 - 4
AWG (UL)	28-12
24 (FBS) / 17.5 (FBSR)	
<b>Rated data</b>	
IEC	UL / CUL
CSA	Ex
Rated voltage	400
Nominal current / cross section	20 <sup>3)</sup> / 2.5

Ordering data	
<b>Description</b>	Color
<b>Disconnect terminal block</b>	gray
<b>Knife disconnect terminal block</b>	gray

Ordering data		
<b>Type</b>	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-TG/1P	3040847	50

Ordering data		
<b>Type</b>	Order No.	Pcs. / Pkt.
ST 2,5-TWIN-MT/1P	3040766	50

Accessories <sup>1)</sup>	
<b>Cover</b> , width 2.2 mm	gray

Accessories <sup>1)</sup>		
<b>D-ST 2,5-QUATTRO/ 2P</b>	3040083	50

Accessories <sup>1)</sup>		
<b>D-ST 2,5-QUATTRO/ 2P</b>	3040083	50

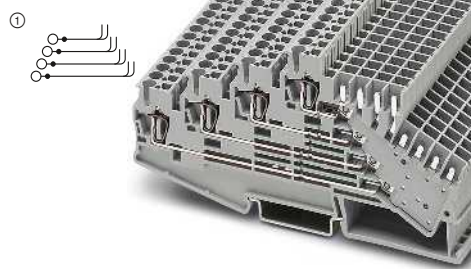
### Multi-level terminal blocks

#### Notes:

- 1) For additional accessories and technical data, see page 282.
- 2) For derating curve, visit phoenixcontact.net/products



10 A, four-level terminal block



10 A, four-level terminal block, two slots



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	101	59 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
10 <sup>2</sup>	250	0.08 - 4	28-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10 <sup>2</sup> / 1.5	10 / -	10 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5-4L/1P	3041985	50	
ST 2,5-PE/3L/1P	3041969	50	

Accessories <sup>1)</sup>		
D-ST 2,5-4L/1P	3041930	50



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	120.5	59 (NS 35/7,5)	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
10 <sup>2</sup>	250	0.08 - 4	28-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10 <sup>2</sup> / 1.5	10 / -	10 / -	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-4L/2P	3042007	50
ST 2,5-4L/2P-Z	3041998	50

Accessories <sup>1)</sup>		
D-ST 2,5-4L/2P	3041927	50

Dimensions	
	[mm]
Max. electrical data	
Max. bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

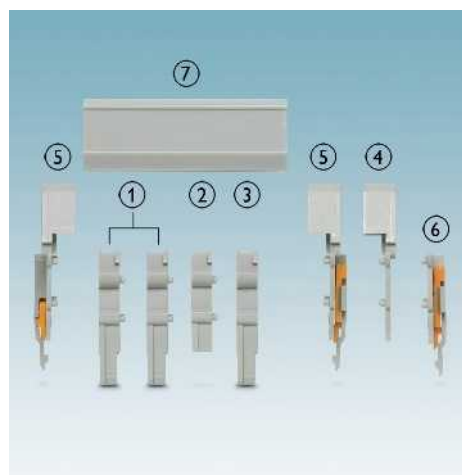
Description	Color
Terminal block	gray
with securing pin	gray

Description	Color
Cover, width 2.2 mm	gray

### Connector housing for four-level terminal block

**Notes:**  
In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2.5 (Order No. 1204038) must be used.



- ① 4-pos. connector with CP-H 2,5-4L-Z engagement pin
- ② DP-CP-H 2,5-4L spacer plate
- ③ CP-H 2,5-4L 4-pos. connector
- ④ D-CP-H 2,5-4L cover profile carrier
- ⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
- ⑥ DFS-CP 2,5-4L self-locking flange cover
- ⑦ AP-CP-H cover profile

Description	Color
Connector housing, for accommodating 4 socket contacts	gray
Connector housing with engagement pin	gray

Self-locking flange, can be marked with UC-TM	gray
Spacer plate	gray
Cover profile, 1 m, can be marked with UC-TM ...	
Cover profile carrier	gray
Cover profile carrier, with self-locking flange cover	gray
Self-locking flange cover	gray
Module socket contact, 0.5 - 1 mm <sup>2</sup>	silver
For conductors from 1.5 ... 2.5 mm <sup>2</sup>	silver



### Connector housing, for accommodating four socket contacts

Ordering data		
Type	Order No.	Pcs. / Pkt.
CP-H 2,5-4L	3012313	50
CP-H 2,5-4L-PE	3012323	50
CP-H 2,5-4L-Z	3012314	50
CP-H 2,5-4L-Z-PE	3012324	50

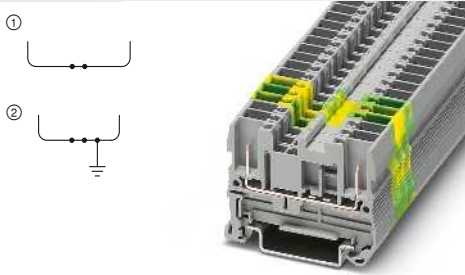
Accessories		
PT 2,5-4L/1P-FS	3012302	10
DP-CP-H 2,5-4L	3012319	50
AP-CP-H	METER	3012315
D-CP-H 2,5-4L		3012320
DFS-CP-H 2,5-4L		3012317
DFS-CP 2,5-4L		3012321
STG-MTN 0,5-1,0		3190438
STG-MTN 1,5-2,5		3190506

# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 320.
For self-locking flange, see page 319.



24 A, feed-through terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	49.1	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
24 <sup>2)</sup> / 2.5				
	20 / -	20 / -	-	

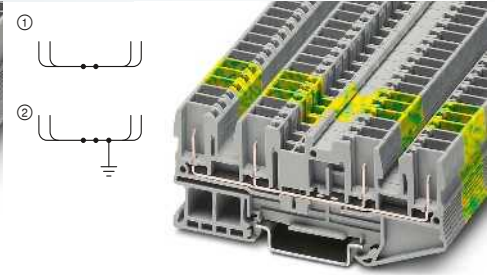
Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5/2P	① 3042133	50	
ST 2,5/2P BU	① 3042094	50	
ST 2,5/2P-PE	② 3042146	50	

Accessories <sup>1)</sup>		
D-ST 2,5	Order No.	Pcs. / Pkt.
D-ST 2,5	3030417	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray blue
<b>Ground terminal</b>	green-yellow

<b>Cover, width 2.2 mm</b>	gray
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24 A, feed-through terminal block, 4 connections



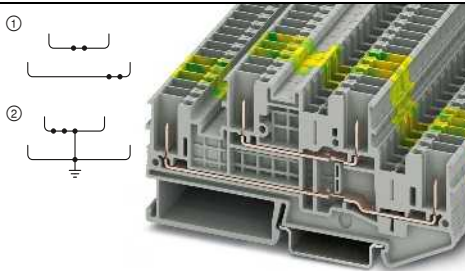
Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	89.5	36.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
24 <sup>2)</sup> / 2.5				
	20 / -	20 / -	-	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 2,5-QUATTRO/4P	① 3042159	50	
ST 2,5-QUATTRO/4P BU	① 3042081	50	
ST 2,5-QUATTRO/4P-PE	② 3042162	50	

Accessories <sup>1)</sup>		
D-ST 2,5-QUATTRO/4P	Order No.	Pcs. / Pkt.
D-ST 2,5-QUATTRO/4P	3042175	50

### Feed-through, multi-conductor, and multi-level terminal blocks and ground terminals

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



22 A, double-level terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	98.8	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22 <sup>2)</sup>	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
22 <sup>2)</sup> / 2.5				
	20 / -	20 / -	-	

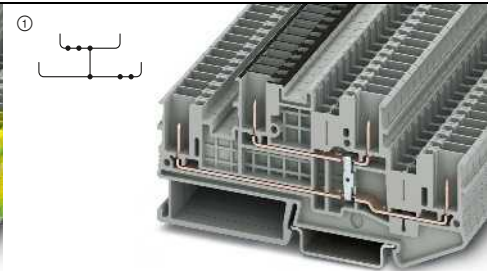
Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5/4P	① 3061486	50	
STTB 2,5/4P BU	① 3061512	50	
STTB 2,5/4P-PE	② 3061499	50	

Accessories <sup>1)</sup>		
D-STTB 2,5/4P	Order No.	Pcs. / Pkt.
D-STTB 2,5/4P	3061538	50

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

<b>Description</b>	<b>Color</b>
<b>Terminal block</b>	gray blue gray
<b>Ground terminal</b>	green-yellow

<b>Cover, width 2.2 mm</b>	
----------------------------	--



22 A, double-level terminal block with equipotential bonding



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	98.8	47.5 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
22	500	0.08 - 4	-	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
22 <sup>2)</sup> / 2.5				
	20 / -	20 / -	-	

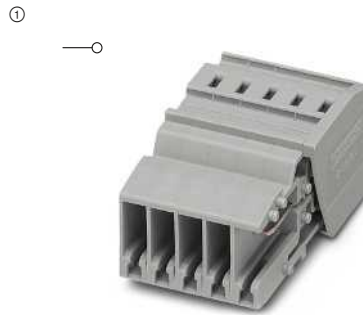
Ordering data			
Type	Order No.	Pcs. / Pkt.	
STTB 2,5/4P-PV	① 3061509	50	

Accessories <sup>1)</sup>		
D-STTB 2,5/4P	Order No.	Pcs. / Pkt.
D-STTB 2,5/4P	3061538	50

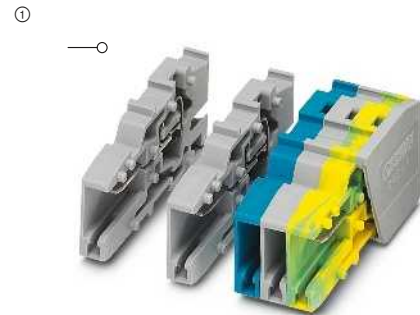
## Couplings

- For secure and space-saving accommodation of plug contacts in cable ducts and distributor shafts
- Test hole in every coupling disc, to accommodate a test plug with a 2.3 mm diameter

<b>Notes:</b>
<sup>1)</sup> For additional accessories and technical data, see page 282.
<sup>2)</sup> For derating curve, visit phoenixcontact.net/products



24 A, coupling



24 A, coupling, for self-assembly



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2 x Number of positions	37.2	18.8	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	26-12
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SC 2,5/ 2	3041312	50	
SC 2,5/ 3	3042269	50	
SC 2,5/ 4	3042272	50	
SC 2,5/ 5	3042285	50	
SC 2,5/ 6	3042298	25	
SC 2,5/ 7	3041367	25	
SC 2,5/ 8	3042308	25	
SC 2,5/ 9	3041383	25	
SC 2,5/ 10	3042311	25	
SC 2,5/ 11	3041406	10	
SC 2,5/ 12	3042324	10	
SC 2,5/ 13	3041422	10	
SC 2,5/ 14	3041435	10	
SC 2,5/ 15	3041448	10	

Accessories <sup>1)</sup>			
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
PDZ/2	3040562	50	
PDZ/4	3040575	50	
PC	3040588	50	



Technical data <sup>1)</sup>			
Width	Length	Height	
5.2 x Number of positions	37.2	21.8	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	26-12
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SC 2,5/ 1-L	3042188	50	
SC 2,5/ 1-L BU	3042191	50	
SC 2,5/ 1-L GNYE	3042201	50	

Accessories <sup>1)</sup>			
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
D-SC 2,5	3042243	50	
PDZ/2	3040562	50	
PDZ/4	3040575	50	
PC	3040588	50	

Description	No. of pos.	Color
COMBI header	2	gray
	3	gray
	4	gray
	5	gray
	6	gray
	7	gray
	8	gray
	9	gray
	10	gray
	11	gray
	12	gray
	13	gray
	14	gray
	15	gray
	COMBI header	1
1		blue
1		green-yellow

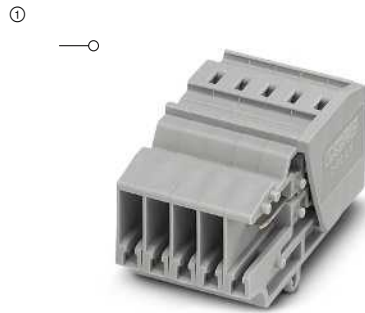
Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red
Cover, width 2.2 mm	gray
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black
4-pos.	black
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red

# Terminal blocks - CLIPLINE complete

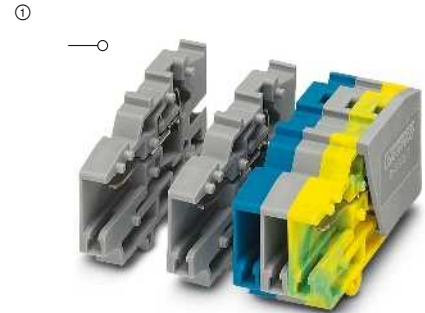
## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### Couplings

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, coupling with securing pin



24 A, coupling with securing pin, for self-assembly



Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Length	Height		
5.2 x Number of positions		37.2	21.8		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		24 <sup>2)</sup>	500	0.08 - 4	26-12
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -	-	-

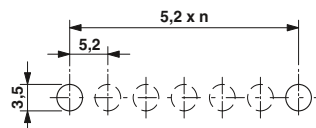
Dimensions		Technical data <sup>1)</sup>			
Width	[mm]	Length	Height		
5.2 x Number of positions		37.2	21.8		
Max. electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
		24 <sup>2)</sup>	500	0.08 - 4	26-12
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -	-	-

Description			Ordering data		
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with securing pin	2	gray	SC 2,5-RZ/ 2	3041516	50
	3	gray	SC 2,5-RZ/ 3	3041529	50
	4	gray	SC 2,5-RZ/ 4	3041532	50
	5	gray	SC 2,5-RZ/ 5	3041545	50
	6	gray	SC 2,5-RZ/ 6	3041558	25
	7	gray	SC 2,5-RZ/ 7	3041561	25
	8	gray	SC 2,5-RZ/ 8	3041574	25
	9	gray	SC 2,5-RZ/ 9	3041590	25
	10	gray	SC 2,5-RZ/10	3041587	25
	11	gray	SC 2,5-RZ/11	3041600	10
	12	gray	SC 2,5-RZ/12	3041613	10
	13	gray	SC 2,5-RZ/13	3041626	10
	14	gray	SC 2,5-RZ/14	3041639	10
	15	gray	SC 2,5-RZ/15	3041642	10
	COMBI coupling, with securing pin	1	gray		
1		blue			
1		green-yellow			

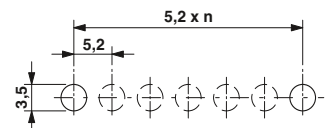
Description			Ordering data		
Type	Order No.	Pcs. / Pkt.			
SC 2,5-RZ/ 1-L	3042214	50			
SC 2,5-RZ/ 1-L BU	3042227	50			
SC 2,5-RZ/ 1-L GNYE	3042230	50			

Test plug metal part, 2.3 mm Ø		silver	Accessories <sup>1)</sup>		
Insulating sleeve, for MPS metal part		red	MPS-MT	0201744	10
Cover, width 2.2 mm		gray	MPS-IH RD	0201676	10
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.		black	PDZ/2	3040562	50
4-pos.		black	PDZ/4	3040575	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	PC	3040588	50

Test plug metal part, 2.3 mm Ø		silver	Accessories <sup>1)</sup>		
Insulating sleeve, for MPS metal part		red	MPS-MT	0201744	10
Cover, width 2.2 mm		gray	MPS-IH RD	0201676	10
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.		black	D-SC 2,5	3042243	50
4-pos.		black	PDZ/2	3040562	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks		red	PDZ/4	3040575	50
			PC	3040588	50



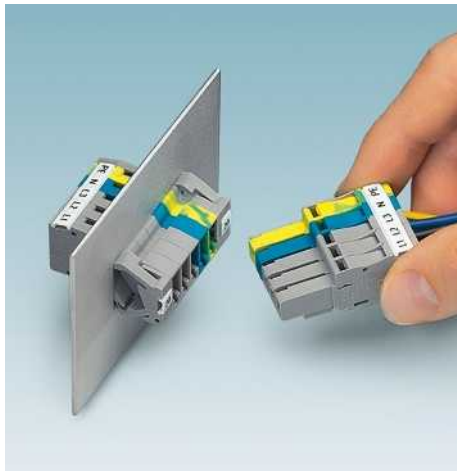
Drilling plan example: 1 x SC 2,5-RZ/ 6



Drilling plan example: 6 x SC 2,5-RZ/ 1-L



## Panel feed-through for COMBI couplings



Snap coupling onto SSL 2,5 panel feed-through



Panel feed-through

- The panel feed-through can be used to securely fasten SC 2,5 and SC 4 free-hanging couplings in panel cutouts
- The panel feed-through elements are snapped onto the free-hanging couplings, and pushed into the panel cutout where they snap in automatically
- The coupling is finally fixed in place by pressing shut the panel feed-through's actuation lever
- Can be used for plate thicknesses of 0.8 mm to 3 mm

### Making the panel cutout

- The panel cutout is easy to produce. The height of the rectangular cutout is always the same, and the length depends on the number of positions of the coupling. There is no longer any need for additional bore holes for fixing screws as in previously common solutions.

General data	
Plate thickness	[mm] 0.8 - 3
Section height	[mm] 16.6
Section width	[mm] 5.15 x number of positions + 13 (SC 2,5) 6.15 x number of positions + 14 (SC 4)
Insulating material	PA
Inflammability class according to UL 94	V0

Description	Color
Panel feed-through, for snapping on to couplings, 1 SSL 2.5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red
Screwdriver	

Lateral groove marking	
------------------------	--

ERIC

Technical data		
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Plate thickness	[mm] 0.8 - 3
Section height	[mm] 16.6
Section width	[mm] 5.15 x number of positions + 13 (SC 2,5) 6.15 x number of positions + 14 (SC 4)
Insulating material	PA
Inflammability class according to UL 94	V0

Ordering data		
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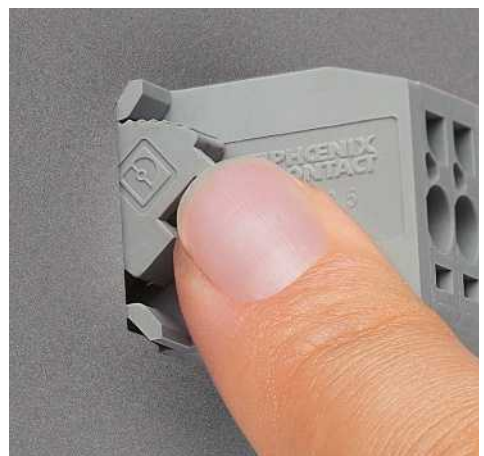
Type	Order No.	Pcs. / Pkt.
SSL 2,5	3043815	50

Accessories		
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PC	3040588	50
SZF 1-0,6X3,5	1204517	10
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)		



Fit the coupling and SSL 2,5 in panel cutout



Fixing the coupling

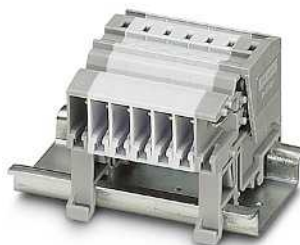
# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### Couplings

– The terminal blocks are snapped onto the SC... free-hanging couplings as modules and can be used on the NS 15 as well as on the NS 35 DIN rail

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>



24 A, coupling for DIN rail mounting



<b>Dimensions</b>	
	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	43.5	34 (NS 35/7,5) / 34 (NS 15)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	26-12
IEC	UL / CUL	CSA	Ex
500	300	-	-
24 <sup>2)</sup> / 2.5	20 / -	-	-

Description	Color
COMBI header	gray

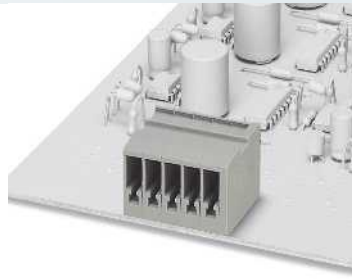
Ordering data		
Type	Order No.	Pcs. / Pkt.
SC 2,5-NS/ 1-L	3042340	50

<b>Cover</b> , width 2.2 mm	gray
<b>Strain relief</b> , for SPDB... connector and SC 2,5... coupling, 2-pos. 4-pos.	black
<b>Coding star</b> , with 4 coding branches, can be inserted in all basic terminal blocks	red

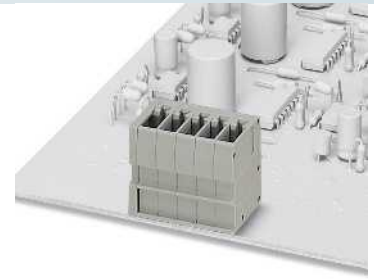
Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
D-SC 2,5	3042243	50
PDZ/2	3040562	50
PDZ/4	3040575	50
PC	3040588	50

COMBI headers for PCB connection

**Notes:**  
For additional accessories and technical data, see page 314 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction



Technical data			
Width	Length	Height	
10.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	-	-
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	-
Rated cross section [mm <sup>2</sup> ]	2.5	-	-
General data			
Insulating material			
PA			
Inflammability class according to UL 94			
V0			

Ordering data			
Description	No. of pos.	Width	Color
COMBI header	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	COMBI header	2	10.4 mm
3		15.6 mm	gray
5		26 mm	gray
6		31.2 mm	gray
7		36.4 mm	gray
8		41.6 mm	gray
9		46.8 mm	gray
10		52 mm	gray
11		57.2 mm	gray
12		62.4 mm	gray

Type	Order No.	Pcs. / Pkt.
ST 2,5-PCB/ 2-G-5,2	1980378	50
ST 2,5-PCB/ 3-G-5,2	1980381	50
ST 2,5-PCB/ 4-G-5,2	1980394	50
ST 2,5-PCB/ 5-G-5,2	1980404	50
ST 2,5-PCB/ 6-G-5,2	1980417	50
ST 2,5-PCB/ 7-G-5,2	1980420	50
ST 2,5-PCB/ 8-G-5,2	1980433	50
ST 2,5-PCB/ 9-G-5,2	1980446	50
ST 2,5-PCB/10-G-5,2	1980459	50
ST 2,5-PCB/11-G-5,2	1980462	50
ST 2,5-PCB/12-G-5,2	1980475	50



Technical data			
Width	Length	Height	
10.4	-		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	500	-	-
IEC	UL / CUL	CSA	Ex
500	300	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	-
Rated cross section [mm <sup>2</sup> ]	2.5	-	-
General data			
Insulating material			
PA			
Inflammability class according to UL 94			
V0			

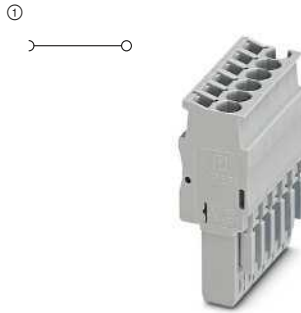
Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5-PCBV/ 2-G-5,2	1980488	50
ST 2,5-PCBV/ 3-G-5,2	1980491	50
ST 2,5-PCBV/ 5-G-5,2	1980514	50
ST 2,5-PCBV/ 6-G-5,2	1980527	50
ST 2,5-PCBV/ 7-G-5,2	1980530	50
ST 2,5-PCBV/ 8-G-5,2	1980543	50
ST 2,5-PCBV/ 9-G-5,2	1980556	50
ST 2,5-PCBV/10-G-5,2	1980569	50
ST 2,5-PCBV/11-G-5,2	1980572	50
ST 2,5-PCBV/12-G-5,2	1980585	50

# Terminal blocks - CLIPLINE complete

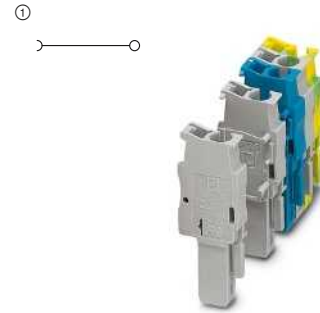
## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### COMBI connectors

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction



24 A, connector, connection in plug-in direction, for self-assembly



Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	15.8	39	24
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	28-12
IEC	UL / CUL	CSA	Ex
500	600	300	-
24 <sup>2)</sup> / 2.5	20 / -	20 / / -	-

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	15.8	39	24
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	28-12
IEC	UL / CUL	CSA	Ex
500	600	300	-
24 <sup>2)</sup> / 2.5	20 / -	20 / / -	-

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
<b>COMBI connector, left element</b>	1	5.2 mm	blue
	1	5.2 mm	green-yellow
<b>COMBI connector, center element</b>	1	5.2 mm	gray
	1	5.2 mm	blue
<b>COMBI connector, right element</b>	1	5.2 mm	green-yellow
	1	5.2 mm	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
SP 2,5/ 1	3040258	50
SP 2,5/ 2	3040261	50
SP 2,5/ 3	3040274	50
SP 2,5/ 4	3040287	50
SP 2,5/ 5	3040290	50
SP 2,5/ 6	3040300	25
SP 2,5/ 7	3040313	25
SP 2,5/ 8	3040326	25
SP 2,5/ 9	3040339	25
SP 2,5/10	3040342	25
SP 2,5/11	3040355	10
SP 2,5/12	3040368	10
SP 2,5/13	3040371	10
SP 2,5/14	3040384	10
SP 2,5/15	3040397	10
SP 2,5/ 1 BU	3040698	50
SP 2,5/ 1 GNYE	3040708	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
SP 2,5/ 1-L	3043019	50
SP 2,5/ 1-L BU	3043022	50
SP 2,5/ 1-L GNYE	3043035	50
SP 2,5/ 1-M	3043043	50
SP 2,5/ 1-M BU	3043051	50
SP 2,5/ 1-M GNYE	3043064	50
SP 2,5/ 1-R	3043077	50
SP 2,5/ 1-R BU	3043080	50
SP 2,5/ 1-R GNYE	3043093	50

Accessories <sup>1)</sup>	
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	black
4-pos.	black

Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50

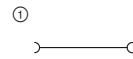
Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50

COMBI connectors

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



2.5 (4) mm<sup>2</sup>, 24 A, connector, connection in plug-in direction



24 A, connector, connection in plug-in direction, for self-assembly, cable housing can be snapped on



Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	15.8	39	24
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	26-12
IEC	UL / CUL	CSA	Ex
500	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -



Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	15.8	39	24
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	26-12
IEC	UL / CUL	CSA	Ex
500	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 <sup>2)</sup> / 2.5	20 / -

Ordering data

Type	Order No.	Pcs. / Pkt.
SP-H 2,5/ 1	3210619	50
SP-H 2,5/ 2	3210622	50
SP-H 2,5/ 3	3210635	50
SP-H 2,5/ 4	3210648	50
SP-H 2,5/ 5	3210651	50
SP-H 2,5/ 6	3210664	25
SP-H 2,5/ 7	3210677	25
SP-H 2,5/ 8	3210680	25
SP-H 2,5/ 9	3210693	25
SP-H 2,5/10	3210703	25
SP-H 2,5/11	3210716	10
SP-H 2,5/12	3210729	10
SP-H 2,5/13	3210732	10
SP-H 2,5/14	3210745	10
SP-H 2,5/15	3210758	10
SP-H 2,5/ 1 BU	3210761	50
SP-H 2,5/ 1 GNYE	3210774	50

Ordering data

Type	Order No.	Pcs. / Pkt.
SP-H 2,5/ 1-L	3210787	50
SP-H 2,5/ 1-L BU	3210790	50
SP-H 2,5/ 1-L GNYE	3210800	50
SP-H 2,5/ 1-M	3210813	50
SP-H 2,5/ 1-M BU	3210826	50
SP-H 2,5/ 1-M GNYE	3210839	50
SP-H 2,5/ 1-R	3210842	50
SP-H 2,5/ 1-R BU	3210855	50
SP-H 2,5/ 1-R GNYE	3210868	50

Accessories<sup>1)</sup>

MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50
DF-SP-H 2,5	3209824	50
PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25

Accessories<sup>1)</sup>

MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50
DF-SP-H 2,5	3209824	50
PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25

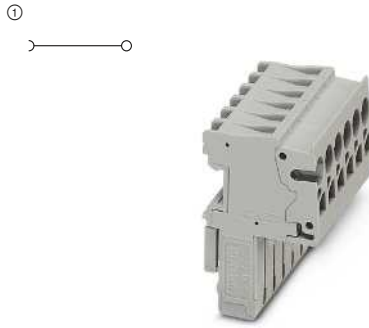
Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	black
4-pos.	black
Screw flange cover, for SP-H ... and PP-H ... COMBI connectors	gray
Cable housing, for SP-H... and PP-H... COMBI connectors	gray
3-pos.	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray

# Terminal blocks - CLIPLINE complete

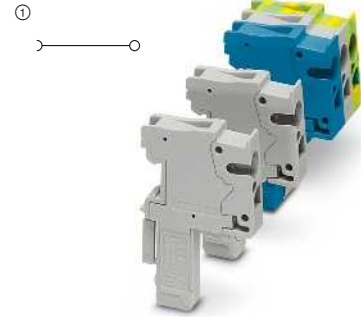
## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### COMBI connectors

Notes:
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection at a right angle to the plug-in direction



24 A, connector, connection at a right angle to the plug-in direction, for self-assembly



Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
5.2 x Number of positions	23.4	34	19	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.08 - 4	26-12	
IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]			
500	600	-		-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 <sup>2)</sup> / 2.5	20 / -	-		-

Ordering data			
Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
<b>COMBI connector, left element</b>	1	5.2 mm	blue
	1	5.2 mm	green-yellow
<b>COMBI connector, center element</b>	1	5.2 mm	gray
	1	5.2 mm	blue
<b>COMBI connector, right element</b>	1	5.2 mm	green-yellow
	1	5.2 mm	gray
	1	5.2 mm	blue
	1	5.2 mm	green-yellow

Accessories <sup>1)</sup>			
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
PRV/2	3041862	50	
PZ/2	3040627	50	
PZ/4	3040643	50	



Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
5.2 x Number of positions	23.4	34	19	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.08 - 4	26-12	
IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]			
500	600	-		-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]			
24 <sup>2)</sup> / 2.5	20 / -	-		-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SPV 2,5/ 1-L	3041024	50	
SPV 2,5/ 1-L BU	3041037	50	
SPV 2,5/ 1-L GNYE	3041040	50	
SPV 2,5/ 1-M	3041053	50	
SPV 2,5/ 1-M BU	3041066	50	
SPV 2,5/ 1-M GNYE	3041079	50	
SPV 2,5/ 1-R	3041082	50	
SPV 2,5/ 1-R BU	3041095	50	
SPV 2,5/ 1-R GNYE	3041105	50	

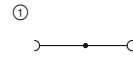
Accessories <sup>1)</sup>			
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
PRV/2	3041862	50	
PZ/2	3040627	50	
PZ/4	3040643	50	

COMBI connectors

<b>Notes:</b>
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction



24 A, connector, connection in plug-in direction, for self-assembly



Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
5.2 x Number of positions	20	39	24	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 <sup>2)</sup> / 2.5 20 / - 20 / -				

Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
5.2 x Number of positions	20	39	24	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24 <sup>2)</sup>	500	0.08 - 4	28-12	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	300	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
24 <sup>2)</sup> / 2.5 20 / - 20 / -				

Ordering data

Ordering data

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
<b>COMBI connector, left element</b>	1	5.2 mm	blue
	1	5.2 mm	green-yellow
<b>COMBI connector, center element</b>	1	5.2 mm	gray
	1	5.2 mm	blue
<b>COMBI connector, right element</b>	1	5.2 mm	green-yellow
	1	5.2 mm	gray
	1	5.2 mm	blue
	1	5.2 mm	green-yellow

Type	Order No.	Pcs. / Pkt.
SPB 2,5/ 1	3040106	50
SPB 2,5/ 2	3040119	50
SPB 2,5/ 3	3040122	50
SPB 2,5/ 4	3040135	50
SPB 2,5/ 5	3040143	50
SPB 2,5/ 6	3040151	25
SPB 2,5/ 7	3040164	25
SPB 2,5/ 8	3040177	25
SPB 2,5/ 9	3040180	25
SPB 2,5/10	3040193	25
SPB 2,5/11	3040203	10
SPB 2,5/12	3040216	10
SPB 2,5/13	3040229	10
SPB 2,5/14	3040232	10
SPB 2,5/15	3040245	10
SPB 2,5/ 1 BU	3040724	50
SPB 2,5/ 1 GNYE	3040711	50

Type	Order No.	Pcs. / Pkt.
SPB 2,5/ 1-L	3043103	50
SPB 2,5/ 1-L BU	3043116	50
SPB 2,5/ 1-L GNYE	3043129	50
SPB 2,5/ 1-M	3043132	50
SPB 2,5/ 1-M BU	3043145	50
SPB 2,5/ 1-M GNYE	3043158	50
SPB 2,5/ 1-R	3043161	50
SPB 2,5/ 1-R BU	3043174	50
SPB 2,5/ 1-R GNYE	3043187	50

Accessories<sup>1)</sup>

Accessories<sup>1)</sup>

Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	black
4-pos.	black

Accessories <sup>1)</sup>	Order No.	Pcs. / Pkt.
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50

Accessories <sup>1)</sup>	Order No.	Pcs. / Pkt.
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50

# Terminal blocks - CLIPLINE complete

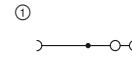
## 2.5 mm<sup>2</sup> COMBI ST plug-in connection solutions

### COMBI connectors

Notes:
1) For additional accessories and technical data, see page 282.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, two connections in plug-in direction



24 A, connector, two connections in plug-in direction, for self-assembly



Dimensions	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	32.7	39	24
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	28-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24 <sup>2)</sup> / 2.5			

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	32.7	39	24
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>2)</sup>	500	0.08 - 4	28-12
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
24 <sup>2)</sup> / 2.5			

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
<b>COMBI connector, left element</b>	1	5.2 mm	blue
	1	5.2 mm	green-yellow
<b>COMBI connector, center element</b>	1	5.2 mm	gray
	1	5.2 mm	blue
<b>COMBI connector, right element</b>	1	5.2 mm	green-yellow
	1	5.2 mm	gray
	1	5.2 mm	blue
	1	5.2 mm	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
SPDB 2,5/ 1	3040407	50
SPDB 2,5/ 2	3040410	50
SPDB 2,5/ 3	3040423	50
SPDB 2,5/ 4	3040436	50
SPDB 2,5/ 5	3040449	50
SPDB 2,5/ 6	3040452	25
SPDB 2,5/ 7	3040465	25
SPDB 2,5/ 8	3040478	25
SPDB 2,5/ 9	3040481	25
SPDB 2,5/10	3040494	25
SPDB 2,5/11	3040504	10
SPDB 2,5/12	3040517	10
SPDB 2,5/13	3040520	10
SPDB 2,5/14	3040533	10
SPDB 2,5/15	3040546	10
SPDB 2,5/ 1 BU	3040737	50
SPDB 2,5/ 1 GNYE	3040740	50

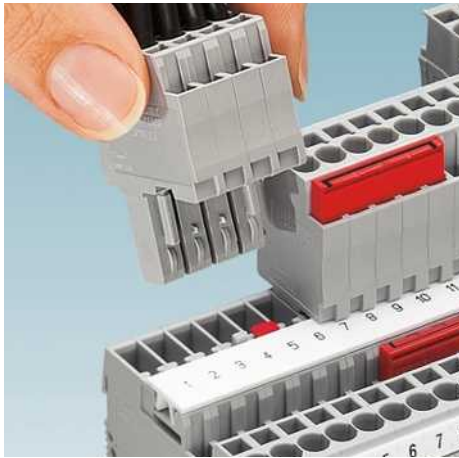
Ordering data		
Type	Order No.	Pcs. / Pkt.
SPDB 2,5/ 1-L	3043190	50
SPDB 2,5/ 1-L BU	3043200	50
SPDB 2,5/ 1-L GNYE	3043213	50
SPDB 2,5/ 1-M	3043226	50
SPDB 2,5/ 1-M BU	3043239	50
SPDB 2,5/ 1-M GNYE	3043242	50
SPDB 2,5/ 1-R	3043255	50
SPDB 2,5/ 1-R BU	3043268	50
SPDB 2,5/ 1-R GNYE	3043271	50

Accessories <sup>1)</sup>	
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos.	black
	black

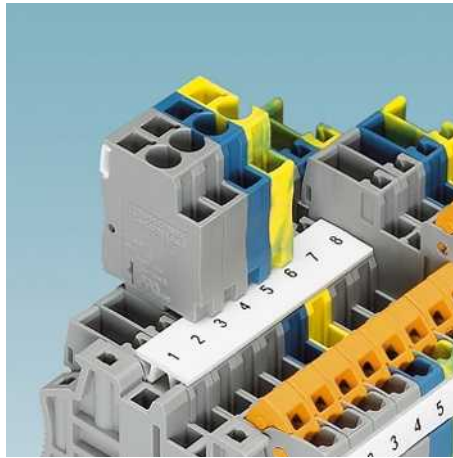
Accessories <sup>1)</sup>		
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PDZ/2	3040562	50
PDZ/4	3040575	50

Accessories <sup>1)</sup>		
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PDZ/2	3040562	50
PDZ/4	3040575	50

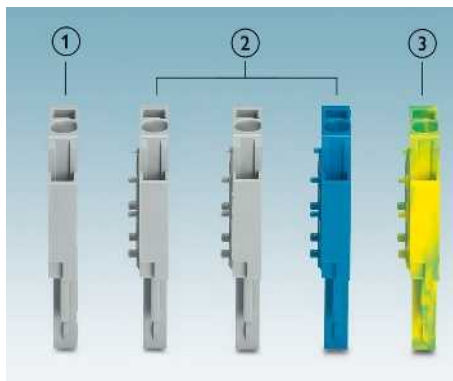
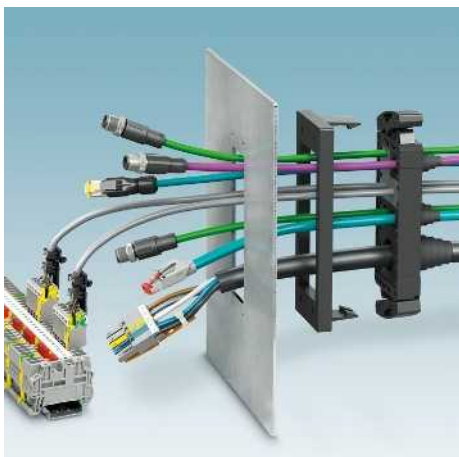


**COMBI connectors with spring-cage connection**

- Connector with scope for bridging, for use with basic terminal blocks
- The SPB 2,5/... connector is designed for connecting one conductor and also provides an additional bridging facility
- The SPDB 2,5/... connector is designed for connecting two conductors and also provides an additional bridging facility
- The CES cable entry system (see Catalog 4) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below

**COMBI connectors with spring-cage connection for self-assembly**

- The ST-COMBI connectors for self-assembly provide solutions that users can implement themselves
- Cable housings can be snapped onto the SP-H... connectors
- The connector with spring-cage connection is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.
  - ① SP 2,5/1-L
  - ② SP 2,5/1-M and SP 2,5/1-M BU
  - ③ SP 2,5/1-R GNYE



# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI ST plug-in connection solutions

### General technical data for 4 mm<sup>2</sup> COMBI ST spring-cage connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	28 - 10
<b>Connection capacity</b>		solid      stranded      Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.08 - 6      0.08 - 4      0.14 - 4      0.14 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-      -      -      0.5 - 1
<b>General data</b>		
Stripping length	[mm]	8 - 10
Insulating material		PA
Inflammability class according to UL 94		VO

**Note: additional or deviating data is documented for the product.**

#### Notes:

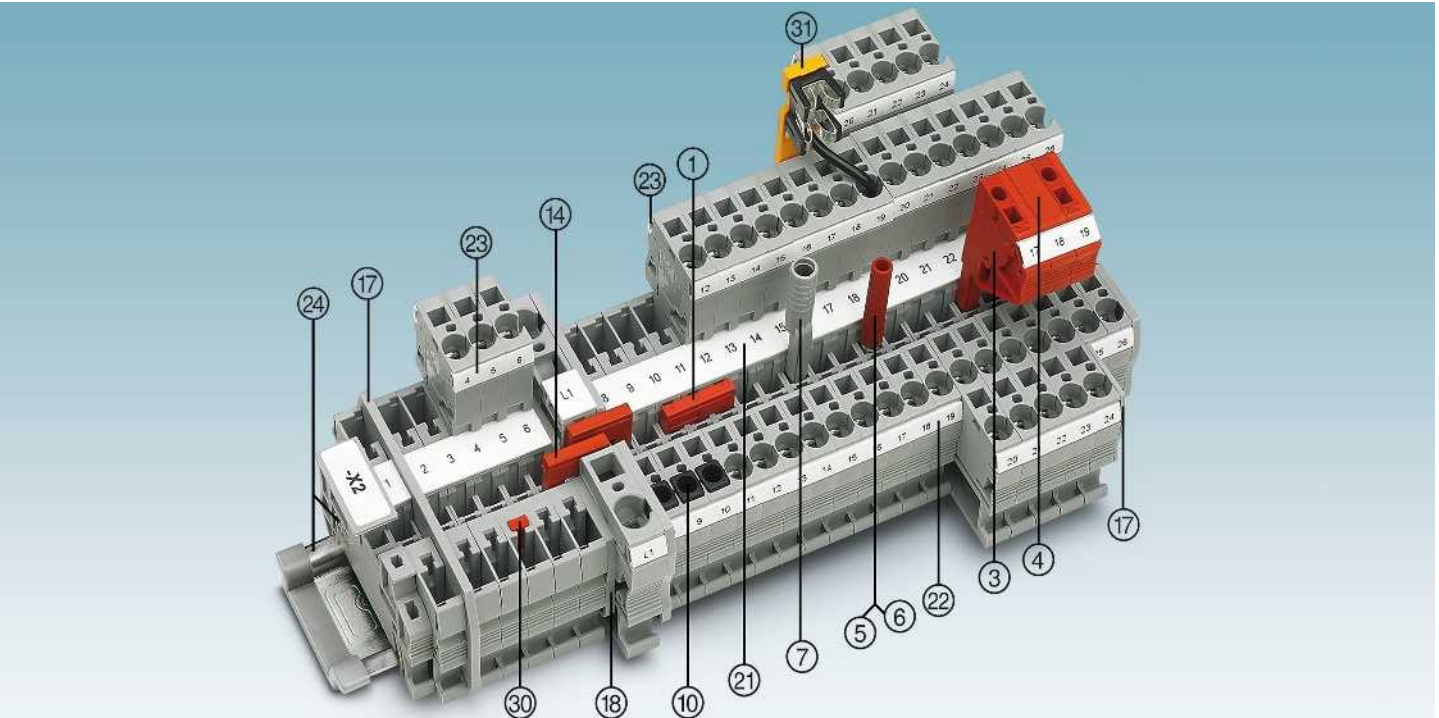


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 4 mm<sup>2</sup> COMBI ST spring-cage connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑩ Insulating sleeve, 0.25 - 0.5 mm <sup>2</sup> 0.75 - 1 mm <sup>2</sup>		gray	ISH 4/0,5	3002885	50			
		black	ISH 4/1,0	3002898	50			
⑳ Coding profile Screwdriver		red	PC	3040588	50			
			SZF 1-0,6X3,5	1204517	10			

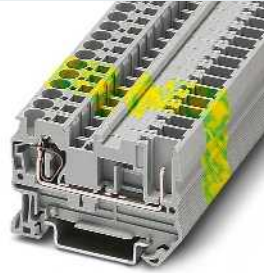
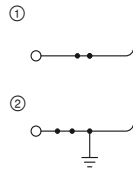
⑭ Reducing bridge
⑰ Partition plates/end cover segments
⑲ Cover
㉑ Center groove marking
㉒ Center and lateral groove marking
㉓ Lateral groove marking
㉔ DIN rails and end brackets
㉕ Latching, strain relief, shielding
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
For ATP-... / DS-..., visit phoenixcontact.net/products
Documented for the product.
UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 5, selection tables from page 100.
UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 5, selection tables from page 100.
See Catalog 5.
See page 312 onwards.
Note: additional or deviating accessories are documented for the product.

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**

- 1) For additional accessories and technical data, see page 298.
- 2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

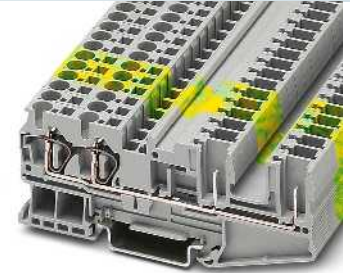
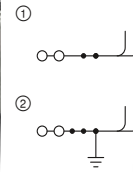


Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	55.8	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
32 <sup>2)</sup> / 4				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4/ 1P	① 3042719	50	
ST 4/ 1P BU	① 3042874	50	
ST 4/ 1P-PE	② 3042722	50	

Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
Max. bridge current	[A]	
<b>Rated data</b>		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	
Description	Color	
<b>Terminal block</b>	gray	
	blue	
<b>Ground terminal</b>	green-yellow	
Cover, width 2.2 mm	gray	



32 A, feed-through terminal block, 4 connections



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	97.3	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
32 <sup>2)</sup> / 4				

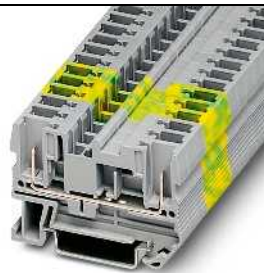
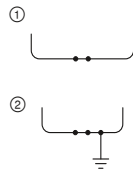
Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4-QUATTRO/2P	① 3042845	50	
ST 4-QUATTRO/2P BU	① 3042861	50	
ST 4-QUATTRO/2P-PE	② 3042858	50	

Accessories <sup>1)</sup>		
D-ST 4-QUATTRO/2P	Order No.	Pcs. / Pkt.
D-ST 4-QUATTRO/2P	3043747	50

### Feed-through and multi-conductor terminal blocks and ground terminals

**Notes:**

- 1) For additional accessories and technical data, see page 298.
- 2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	55.9	36.5 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.08 - 6	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]				
32 <sup>2)</sup> / 4				

Ordering data			
Type	Order No.	Pcs. / Pkt.	
ST 4/ 2P	① 3042735	50	
ST 4/ 2P BU	① 3043789	50	
ST 4/ 2P-PE	② 3042748	50	

Accessories <sup>1)</sup>		
D-ST 4	Order No.	Pcs. / Pkt.
D-ST 4	3030420	50

<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
Max. bridge current	[A]	
<b>Rated data</b>		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	
Description	Color	
<b>Terminal block</b>	gray	
	blue	
<b>Ground terminal</b>	green-yellow	
Cover, width 2.2 mm	gray	

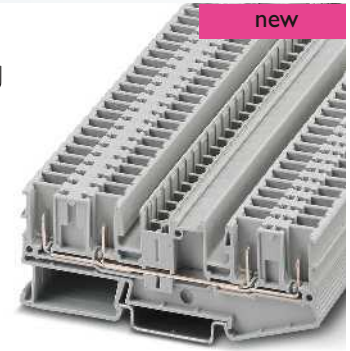
# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI ST plug-in connection solutions

### Feed-through and multi-conductor terminal blocks

- This plug-in basic terminal block can be fitted with 4 mm<sup>2</sup> COMBI connectors as well as crimp contacts in the CP 4/6 connector housing.
- Conductors with crimped on STG-MTN... module socket contacts can be easily snapped into the CP 4/6 connector housing.

**Notes:**  
 1) For additional accessories and technical data, see page 298.



**32 A, feed-through terminal block, 4 connections**

ERC

<b>Dimensions</b>	
	[mm]
<b>Max. electrical data</b>	
Max. bridge current	[A]
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]

Technical data <sup>1)</sup>				
Width	Length	Height		
6.2	95.9	36.8 (NS 35/7,5)		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.08 - 4	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
32 / 4	-	-	-	
28 - 12	-	-	-	
<b>Connection capacity</b>	solid	stranded	Ferrule without/with plastic sleeve	
1 conductor	0.08 - 4	0.08 - 4	-	

Description	Color
<b>Terminal block</b>	gray

Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>ST 4-QUATTRO/4CP</b>	3042736	50	

<b>Cover</b> , width 2.2 mm	gray
<b>Connector housing</b> , for accommodating module socket contacts	gray
<b>Module socket contact</b> , 0.5 - 1 mm <sup>2</sup> for wires from 0.5 ... 1.0 mm <sup>2</sup>	silver
for conductors from 1.5 ... 2.5 mm <sup>2</sup>	silver

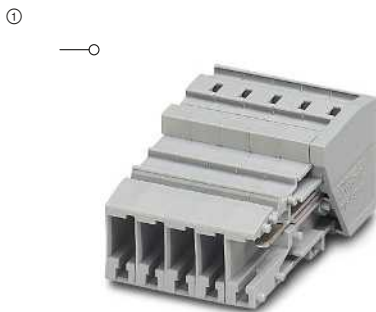
Accessories <sup>1)</sup>		
Type	Order No.	Pcs. / Pkt.
<b>D-ST 4-QUATTRO/4CP</b>	3042739	10
<b>CP 4/6</b>	3061049	10
<b>STG-MTN 0,5-1,0</b>	3190438	100
<b>STG-MTN 1,5-2,5</b>	3190506	100

Couplings

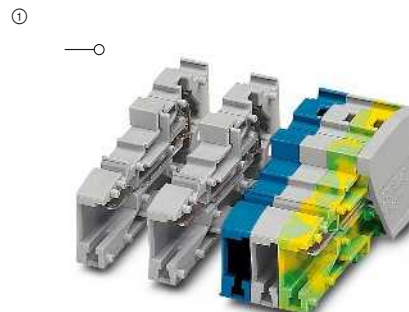
**Notes:**

1) For additional accessories and technical data, see page 298.

2) For derating curve, visit phoenixcontact.net/products



32 A, coupling



32 A, coupling, for self-assembly



Technical data <sup>1)</sup>			
Width	Length	Height	
6.2 x Number of positions	48.6	22.3	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.08 - 6	28-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -

Ordering data			
Description	No. of pos.	Color	Type
COMBI header	2	gray	SC 4/ 2
	3	gray	SC 4/ 3
	4	gray	SC 4/ 4
	5	gray	SC 4/ 5
	6	gray	SC 4/ 6
	7	gray	SC 4/ 7
	8	gray	SC 4/ 8
	9	gray	SC 4/ 9
	10	gray	SC 4/10
	11	gray	SC 4/11
	12	gray	SC 4/12
	13	gray	SC 4/13
	14	gray	SC 4/14
	15	gray	SC 4/15
	COMBI header	1	gray
	1	blue	
	1	green-yellow	

Accessories <sup>1)</sup>			
		Order No.	Pcs. / Pkt.
Test plug metal part, 2.3 mm Ø	silver	0201744	10
Insulating sleeve, for MPS metal part	red	0201676	10
Cover	gray		
Strain relief, for SC 4... coupling, 2-pos.	black	3043831	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	3040588	50



Technical data <sup>1)</sup>			
Width	Length	Height	
6.2 x Number of positions	48.6	22.3	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.08 - 6	28-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SC 4/ 1-L	3042599	50	
SC 4/ 1-L BU	3042609	50	
SC 4/ 1-L GNYE	3042612	50	

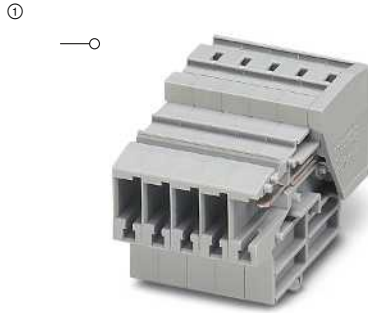
Accessories <sup>1)</sup>			
		Order No.	Pcs. / Pkt.
MPS-MT		0201744	10
MPS-IH RD		0201676	10
D-SC 4		3043307	50
CZ/2		3043831	50
PC		3040588	50

# Terminal blocks - CLIPLINE complete

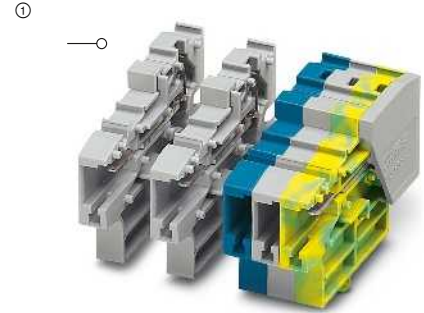
## 4 mm<sup>2</sup> COMBI ST plug-in connection solutions

### Couplings

Notes:
1) For additional accessories and technical data, see page 298.
2) For derating curve, visit phoenixcontact.net/products



32 A, coupling with securing pin



32 A, coupling with securing pin, for self-assembly



Technical data <sup>1)</sup>			
Width	Length	Height	
6.2 x Number of positions	48.6	31	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.08 - 6	28-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -

Ordering data					
Description	No. of pos.	Color	Type	Order No.	Pcs. / Pkt.
COMBI coupling, with securing pin	2	gray	SC 4-RZ/ 2	3042625	50
	3	gray	SC 4-RZ/ 3	3042638	50
	4	gray	SC 4-RZ/ 4	3042641	50
	5	gray	SC 4-RZ/ 5	3042654	50
	6	gray	SC 4-RZ/ 6	3042667	25
	7	gray	SC 4-RZ/ 7	3042670	25
	8	gray	SC 4-RZ/ 8	3042683	25
	9	gray	SC 4-RZ/ 9	3042696	25
	10	gray	SC 4-RZ/10	3042706	25
	11	gray	SC 4-RZ/11	3043323	10
	12	gray	SC 4-RZ/12	3043336	10
	13	gray	SC 4-RZ/13	3043349	10
	14	gray	SC 4-RZ/14	3043352	10
	15	gray	SC 4-RZ/15	3043365	10
	COMBI coupling, with securing pin	1	gray		
1		blue			
1		green-yellow			

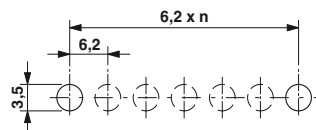
Accessories <sup>1)</sup>				
Test plug metal part, 2.3 mm Ø	silver	MPS-MT	0201744	10
Insulating sleeve, for MPS metal part	red	MPS-IH RD	0201676	10
Cover	gray			
Strain relief, for SC 4... coupling, 2-pos.	black	CZ/2	3043831	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	PC	3040588	50



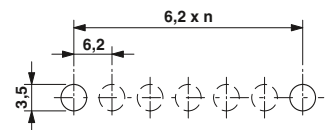
Technical data <sup>1)</sup>			
Width	Length	Height	
6.2 x Number of positions	48.6	31	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.08 - 6	28-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SC 4-RZ/ 1-L	3043378	50	
SC 4-RZ/ 1-L BU	3043381	50	
SC 4-RZ/ 1-L GNYE	3043394	50	

Accessories <sup>1)</sup>			
MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
D-SC 4	3043307	50	
CZ/2	3043831	50	
PC	3040588	50	



Drilling plan example: 1 x SC 4-RZ/ 6

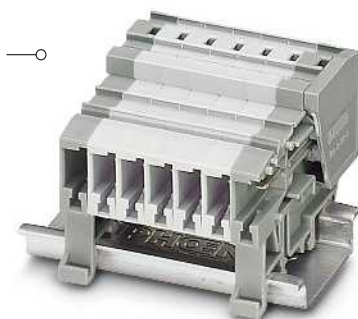


Drilling plan example: 6 x SC 4-RZ/ 1-L

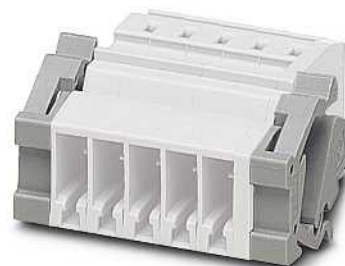
Couplings

**Notes:**  
 1) For additional accessories and technical data, see page 298.  
 2) For derating curve, visit phoenixcontact.net/products

①



32 A, coupling for DIN rail mounting



Panel feed-through

ERAC

Technical data <sup>1)</sup>			
Width	Length	Height	
6.2	48.6	35.6 (NS 35/7,5) / 35.6 (NS 15)	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	800	0.08 - 6	28-10
IEC	UL / CUL	CSA	Ex
800	600	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4	30 / -

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SC 4-NS/ 1-L	3043404	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
D-SC 4	3043307	50	

ERIC

Technical data <sup>1)</sup>			
Width	Length	Height	
5.2	-	max. Ø [mm <sup>2</sup> ]	
			AWG (UL)
		-	-
IEC	UL / CUL	CSA	Ex
-	-	-	-
-	-	-	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
SSL 2,5	3043815	50	

Accessories <sup>1)</sup>			
Type	Order No.	Pcs. / Pkt.	
PC	3040588	50	

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]

Description	Color
<b>COMBI header</b>	gray
<b>Panel feed-through</b> , for snapping on to couplings, 1 SSL 2,5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray

<b>Cover</b>	gray
<b>Coding star</b> , with 4 coding branches, can be inserted in all basic terminal blocks	red

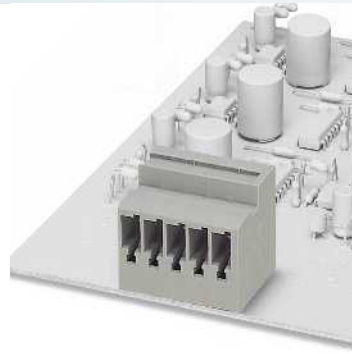
# Terminal blocks - CLIPLINE complete

## 4 mm<sup>2</sup> COMBI ST plug-in connection solutions

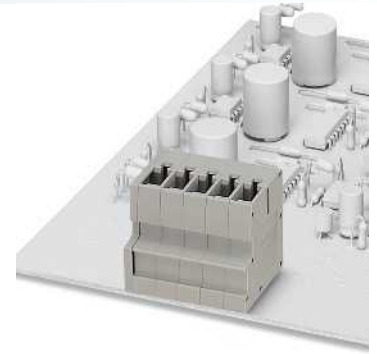
### COMBI headers for PCB connection

#### Notes:

For additional accessories and technical data, see page 314 or visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction



#### Technical data

Dimensions	
Width	12.4 [mm]
Max. electrical data	
$I_{max.}$ [A]	32
$U_{max.}$ [V]	800
Rated data	
Rated voltage [V]	800
Nominal current / cross section [A] / [mm <sup>2</sup> ]	32 / 4
Rated cross section [mm <sup>2</sup> ]	4
General data	
Insulating material	PA
Inflammability class according to UL 94	V0

Width	Length	Height
12.4	-	-
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
32	800	- -
IEC	UL / CUL	CSA Ex
800	600	- -
32 / 4	20 / -	- -
4	-	-
PA		
V0		



#### Technical data

Width	Length	Height
12.4	-	-
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)
32	800	- -
IEC	UL / CUL	CSA Ex
800	600	- -
32 / 4	20 / -	- -
4	-	-
PA		
V0		

#### Ordering data

Description	No. of pos.	Width	Color
COMBI header	2	12.4 mm	gray
	3	18.9 mm	gray
	4	24.8 mm	gray
	5	31 mm	gray
	6	37.2 mm	gray
	7	43.4 mm	gray
	8	49.6 mm	gray
	9	55.8 mm	gray
	10	62 mm	gray
	11	68.2 mm	gray
	12	74.4 mm	gray
	COMBI header	2	12.4 mm
3		18.6 mm	gray
4		24.8 mm	gray
5		31 mm	gray
6		37.2 mm	gray
7		43.4 mm	gray
8		49.6 mm	gray
9		55.8 mm	gray
10		62 mm	gray
11		68.2 mm	gray
12		74.4 mm	gray

Type	Order No.	Pcs. / Pkt.
ST 4-PCB/ 2-G-6,2	1980598	50
ST 4-PCB/ 3-G-6,2	1980608	50
ST 4-PCB/ 4-G-6,2	1980611	50
ST 4-PCB/ 5-G-6,2	1980624	50
ST 4-PCB/ 6-G-6,2	1980637	50
ST 4-PCB/ 7-G-6,2	1980640	50
ST 4-PCB/ 8-G-6,2	1980653	50
ST 4-PCB/ 9-G-6,2	1980666	50
ST 4-PCB/10-G-6,2	1980679	50
ST 4-PCB/11-G-6,2	1980682	50
ST 4-PCB/12-G-6,2	1980695	50

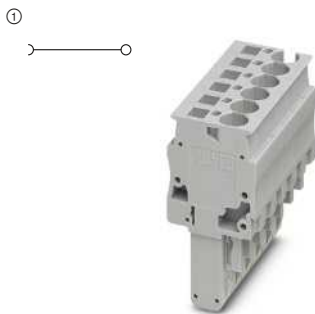
#### Ordering data

Type	Order No.	Pcs. / Pkt.
ST 4-PCBV/ 2-G-6,2	1980705	50
ST 4-PCBV/ 3-G-6,2	1980718	50
ST 4-PCBV/ 4-G-6,2	1980721	50
ST 4-PCBV/ 5-G-6,2	1980734	50
ST 4-PCBV/ 6-G-6,2	1980747	50
ST 4-PCBV/ 7-G-6,2	1980750	50
ST 4-PCBV/ 8-G-6,2	1980763	50
ST 4-PCBV/ 9-G-6,2	1980776	50
ST 4-PCBV/10-G-6,2	1980789	50
ST 4-PCBV/11-G-6,2	1980792	50
ST 4-PCBV/12-G-6,2	1980802	50

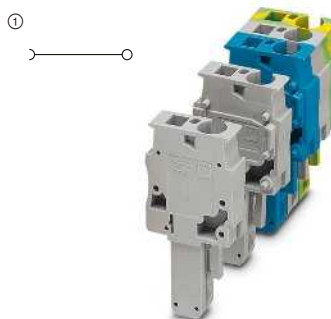


### COMBI connectors

<b>Notes:</b>
1) For additional accessories and technical data, see page 298.
2) For derating curve, visit phoenixcontact.net/products



32 A, connector, connection in plug-in direction



32 A, connector, connection in plug-in direction, for self-assembly



Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
6.2 x Number of positions	21	41.5	24	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.08 - 6	28-10	
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30 / -	



Technical data <sup>1)</sup>				
Width	Length	Height	Height when plugged in	
6.2 x Number of positions	21	41.5	24	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>2)</sup>	800	0.08 - 6	28-10	
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30 / -	

#### Ordering data

Type	Order No.	Pcs. / Pkt.
SP 4/ 1	3042887	50
SP 4/ 2	3042890	50
SP 4/ 3	3042900	50
SP 4/ 4	3042926	50
SP 4/ 5	3042939	50
SP 4/ 6	3042942	25
SP 4/ 7	3042955	25
SP 4/ 8	3042968	25
SP 4/ 9	3042971	25
SP 4/10	3042984	25
SP 4/11	3042997	10
SP 4/12	3043006	10
SP 4/13	3043718	10
SP 4/14	3043721	10
SP 4/15	3043734	10
SP 4/1 BU	3061033	50
SP 4/1 GNYE	3061046	50

#### Ordering data

Type	Order No.	Pcs. / Pkt.
SP 4/ 1-L	3042751	50
SP 4/ 1-L BU	3042764	50
SP 4/ 1-L GNYE	3042777	50
SP 4/ 1-M	3042780	50
SP 4/ 1-M BU	3042793	50
SP 4/ 1-M GNYE	3042803	50
SP 4/ 1-R	3042816	50
SP 4/ 1-R BU	3042829	50
SP 4/ 1-R GNYE	3042832	50

#### Accessories<sup>1)</sup>

MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50

#### Accessories<sup>1)</sup>

MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50

Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	6.2 mm	gray
	2	12.4 mm	gray
	3	18.6 mm	gray
	4	24.8 mm	gray
	5	31 mm	gray
	6	37.2 mm	gray
	7	43.4 mm	gray
	8	49.6 mm	gray
	9	55.8 mm	gray
	10	62 mm	gray
	11	68.2 mm	gray
	12	74.4 mm	gray
	13	80.6 mm	gray
	14	86.8 mm	gray
	15	93 mm	gray
<b>COMBI connector, left element</b>	1	6.2 mm	blue
	1	6.2 mm	green-yellow
<b>COMBI connector, center element</b>	1	6.2 mm	gray
	1	6.2 mm	blue
<b>COMBI connector, right element</b>	1	6.2 mm	green-yellow
	1	6.2 mm	gray

<b>Test plug metal part</b> , 2.3 mm Ø	silver
<b>Insulating sleeve</b> , for MPS metal part	red
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Latching</b> , for connectors, 1-pos.	orange
<b>2-pos.</b>	orange
<b>Strain relief</b> , for connectors, 2-pos.	black

# Terminal blocks - CLIPLINE complete

## 1.5 mm<sup>2</sup> COMBI QT plug-in connection solutions

### General technical data for 1.5 mm<sup>2</sup> COMBI QT... fast connection terminal blocks

<b>Rated data</b>		IEC 61984
Rated cross section	[mm <sup>2</sup> ]	1.5
Cross section range	AWG	24 - 16
<b>Connection cross section according to DIN VDE 0295</b>		
H05V(Z) / H07V(Z)	[mm <sup>2</sup> ]	0.5 - 1.5
Class 5 / Class 6 [litz wires Ø ≥ 0.1 mm]	[mm <sup>2</sup> ]	0.25 - 0.34
[Litz wires Ø ≥ 0.19 mm]	AWG	24 - 16
Frequency of connections with the same cross section		100
<b>General data</b>		
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

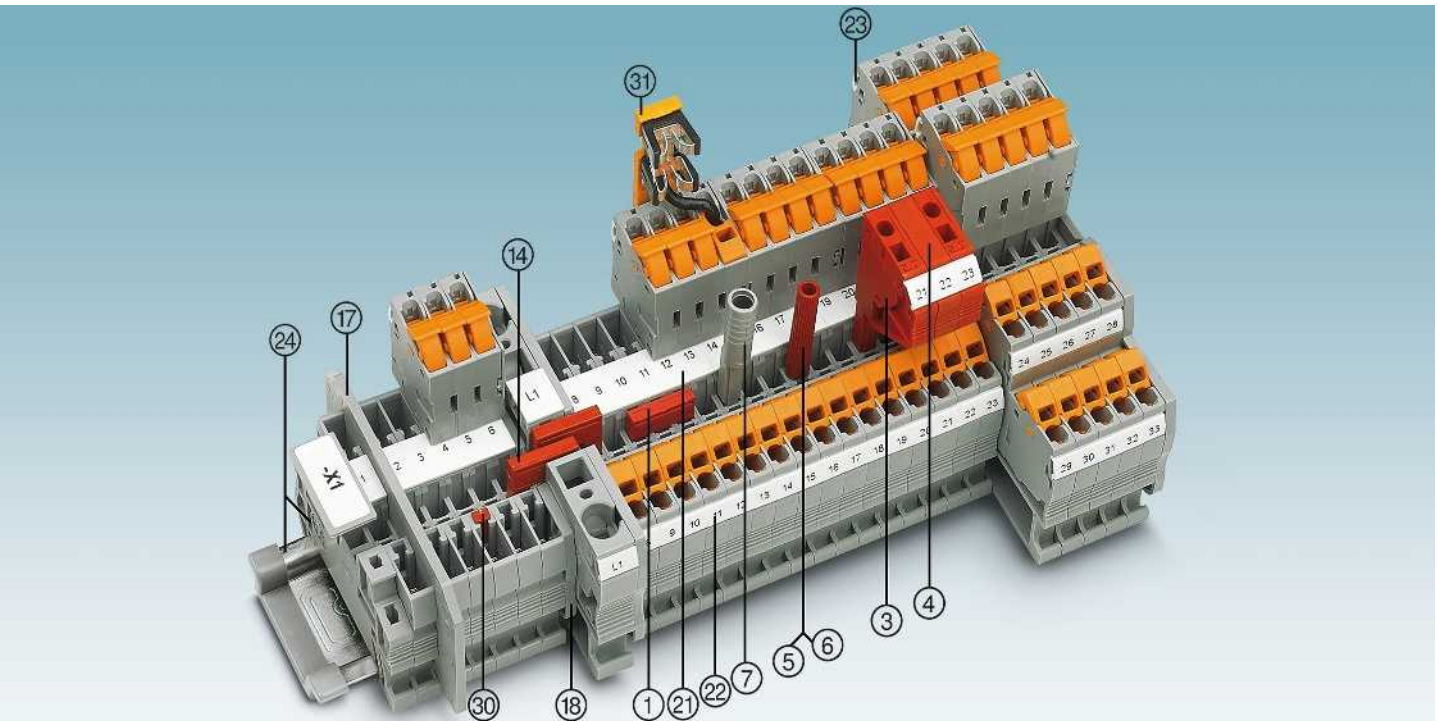


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

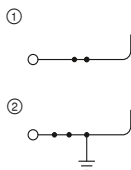
### System accessories for 1.5 mm<sup>2</sup> COMBI QT... fast connection terminal blocks



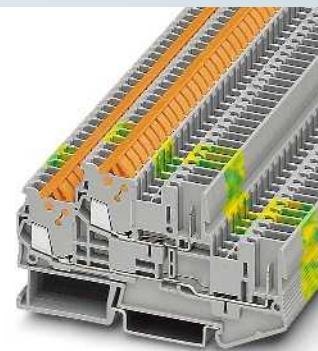
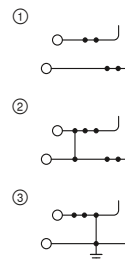
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-5	3030161	50	FBSR 2-5	3033702	50
	3	red	FBS 3-5	3030174	50	FBSR 3-5	3001591	50
	4	red	FBS 4-5	3030187	50	FBSR 4-5	3001592	50
	5	red	FBS 5-5	3030190	50	FBSR 5-5	3001593	50
	10	red	FBS 10-5	3030213	10	FBSR 10-5	3033710	10
	20	red	FBS 20-5	3030226	10			
③ Modular test plug		red	PS-5	3030983	10			
④ Spacer plate		red	DP PS-5	3036725	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑧ Coding profile		red	PC	3040588	50			
Screwdriver			SZF 1-0,6X3,5	1204517	10			
⑭ Reducing bridge	For RB ..., see page 344.							
⑰ Partition plates/end cover segments	For ATP-... / DS-..., visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>							
⑱ Cover	Documented for the product.							
⑲ Center groove marking	UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 5, selection tables from page 100.							
⑲ Center and lateral groove marking	UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.							
⑲ Lateral groove marking	UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 5, selection tables from page 100.							
⑲ DIN rails and end brackets	See Catalog 5.							
⑳ Latching, strain relief, shielding	See page 312 onwards.							
For full accessories, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>	Note: additional or deviating accessories are documented for the product.							

### Feed-through and multi-level terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 306.  
 2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block



17.5 A, double-level terminal block



Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	53.5	39.3 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5 <sup>2)</sup>	500	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5	10 / -	10 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTC 1,5/ 1P	3050073	50	
QTC 1,5/ 1P BU	3050086	50	
QTC 1,5/ 1P-PE	3050099	50	

Accessories <sup>1)</sup>		
D-QTC 1,5/1P	Order No.	Pcs. / Pkt.
D-QTC 1,5/1P	3206322	50

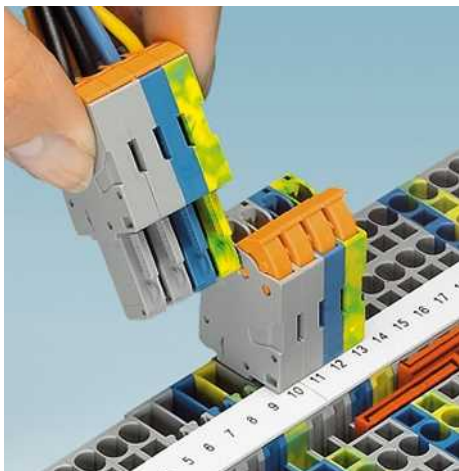


Technical data <sup>1)</sup>				
Width	Length	Height		
5.2	87.8	49.9 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5 <sup>2)</sup>	500	0.25 - 1.5	24-16	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5	10 / -	10 / -	-

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QTTCB 1,5/ 2P	3050196	50	
QTTCB 1,5/ 2P BU	3050206	50	
QTTCB 1,5/ 2P-PV	3206377	50	
QTTCB 1,5/ 2P-PE	3050219	50	

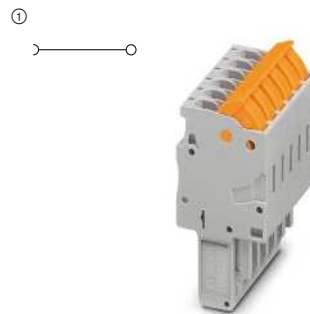
Accessories <sup>1)</sup>		
D-QTTCB 1,5/2P	Order No.	Pcs. / Pkt.
D-QTTCB 1,5/2P	3206306	50

### COMBI connectors



- Just like the basic terminal blocks, the connectors also offer the right connection method for every application
- The QP 1,5/... fast connector is designed for connection of solid and stranded conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time

Notes:
1) For additional accessories and technical data, see page 306.
2) For derating curve, visit phoenixcontact.net/products
For further accessories, see page 312.



17.5 A, connector, connection in plug-in direction



Dimensions	[mm]
5.2 x Number of positions	20

Max. electrical data	[A]	[V]	[mm <sup>2</sup> ]	[UL]
$I_{max}$	17.5	500	0.25 - 1.5	24-16
Rated voltage	500	600	600	-
Nominal current / cross section	17.5 <sup>2</sup> / 1.5	10 / -	10 / -	-

Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	20	40	24
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
17.5 <sup>2</sup>	500	0.25 - 1.5	24-16
IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-
Nominal current / cross section	17.5 <sup>2</sup> / 1.5	10 / -	-

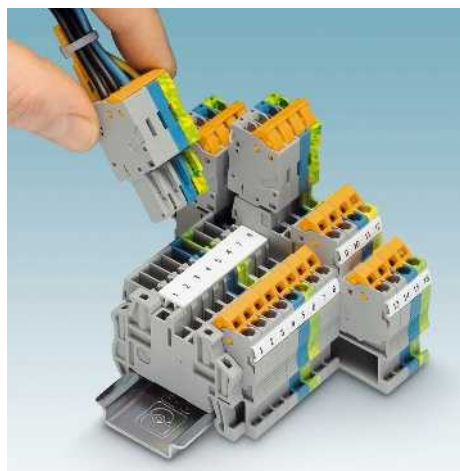
Description	No. of pos.	Width	Color
<b>COMBI connectors</b>	1	5.2 mm	gray
	2	10.4 mm	gray
	3	15.6 mm	gray
	4	20.8 mm	gray
	5	26 mm	gray
	6	31.2 mm	gray
	7	36.4 mm	gray
	8	41.6 mm	gray
	9	46.8 mm	gray
	10	52 mm	gray
	11	57.2 mm	gray
	12	62.4 mm	gray
	13	67.6 mm	gray
	14	72.8 mm	gray
	15	78 mm	gray
1	5.2 mm	blue	
1	5.2 mm	green-yellow	

Ordering data		
Type	Order No.	Pcs. / Pkt.
QP 1,5/ 1	3051108	50
QP 1,5/ 2	3051111	50
QP 1,5/ 3	3051124	50
QP 1,5/ 4	3051137	50
QP 1,5/ 5	3051140	50
QP 1,5/ 6	3051153	25
QP 1,5/ 7	3051166	25
QP 1,5/ 8	3051179	25
QP 1,5/ 9	3051182	25
QP 1,5/10	3051195	25
QP 1,5/11	3051205	10
QP 1,5/12	3051218	10
QP 1,5/13	3051221	10
QP 1,5/14	3051234	10
QP 1,5/15	3051247	10
QP 1,5/ 1 BU	3051250	50
QP 1,5/ 1 GNYE	3051263	50

Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	black
4-pos.	black

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50

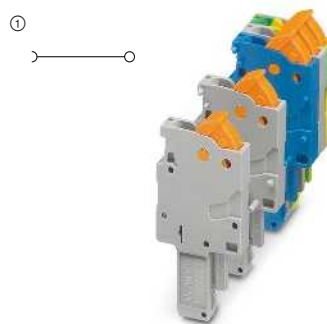
### COMBI connectors



- The QT-COMBI connectors for self-assembly provide solutions that users can implement themselves
- The QP 1,5/... fast connector is designed for connection of solid and stranded conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time
- The connector with fast connection is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together.

- ① QP 1,5/1-L
- ② QP 1,5/1-M and QP 1,5/1-M BU
- ③ QP 1,5/1-R GNYE

Notes:
1) For additional accessories and technical data, see page 306.
2) For derating curve, visit phoenixcontact.net/products
For further accessories, see page 312.



17.5 A, connector, connection in plug-in direction, for self-assembly



Dimensions	[mm]
5.2 x Number of positions	20

Max. electrical data	
$I_{max}$ [A]	17.5 <sup>2)</sup>
$U_{max}$ [V]	500
Rated voltage	500 [V]
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5 [A] / [mm <sup>2</sup> ]

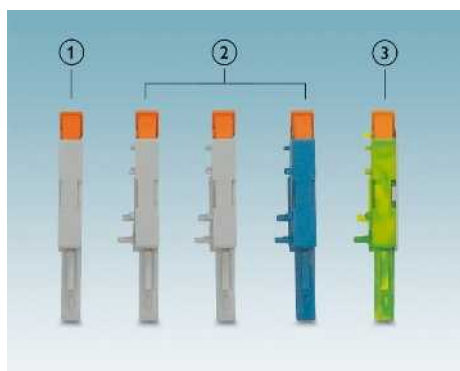
Technical data <sup>1)</sup>			
Width	Length	Height	Height when plugged in
5.2 x Number of positions	20	40	24
$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
17.5 <sup>2)</sup>	500	0.25 - 1.5	24-16
IEC	UL / CUL	CSA	Ex
500	600	600	-
Nominal current / cross section	17.5 <sup>2)</sup> / 1.5	10 / -	10 / -

Description	No. of pos.	Color
COMBI connector, left element	1	gray
	1	blue
	1	green-yellow
COMBI connector, center element	1	gray
	1	blue
COMBI connector, right element	1	green-yellow
	1	gray
	1	blue

Ordering data			
Type	Order No.	Pcs. / Pkt.	
QP 1,5/ 1-L	① 3051014	50	
QP 1,5/ 1-L BU	① 3051027	50	
QP 1,5/ 1-L GNYE	① 3051030	50	
QP 1,5/ 1-M	① 3051043	50	
QP 1,5/ 1-M BU	① 3051056	50	
QP 1,5/ 1-M GNYE	① 3051069	50	
QP 1,5/ 1-R	① 3051072	50	
QP 1,5/ 1-R BU	① 3051085	50	
QP 1,5/ 1-R GNYE	① 3051098	50	

Test plug metal part, 2.3 mm Ø	silver
Insulating sleeve, for MPS metal part	red
Latching and strain relief, for all connectors with conductor exit at top, 2-pos.	orange
Latching, for connectors, 1-pos.	orange
2-pos.	orange
Strain relief, for connectors, 2-pos.	
4-pos.	black
	black

Accessories <sup>1)</sup>		
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50



# Terminal blocks - CLIPLINE complete

## COMBI plug-in connection solutions - accessories

### Cross-reference list: COMBI accessories

PZ 1,5/S/2 Order No.: 3212918	PZ/2 Order No.: 3040627	PZ/4 Order No.: 3040643	UPZ/2 Order No.: 3045554	PDZ/2 Order No.: 3040562	PDZ/4 Order No.: 3040575	CZ/2 Order No.: 3043831	PRZ-1,5/S Order No.: 3212905	PRZ Order No.: 3040614
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### Accessories



### Connectors

	UPBV 2,5...								
	UPBV 4...								
	UP 4... UP 6...								
	UPCT 4/...								
	PP-H 1,5...								
	PP-H 2,5...								
	PP-H 4...								
	PP-H 6... PPCT 6/...								
	SP 2,5...								
	SP-H 2,5...								
	SPV 2,5...								
	SP 4...								
	SPB 2,5...								
	SPDB 2,5...								
	QP 1,5...								

### Couplings

	PPC 1,5...								
	PPC 6...								
	SC 2,5...								
	SC 4...								

# Terminal blocks - CLIPLINE complete

## COMBI plug-in connection solutions - accessories




### Strain relief for connectors



- Strain relief can be snapped onto the outside of the connector as an option
- The conductor can be fixed using Phoenix Contact cable binders

Notes:
For application options for accessories, refer to page 311.
For corresponding cable binders, see Catalog 5.



General data	
Material	
Description	Color
Strain relief, for connector and coupling, 2-pos.	black
Strain relief, for connectors, 2-pos. 4-pos.	black
Strain relief, for UPBV... connectors, 2-pos.	black

Technical data		
PA-GF		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PZ 1,5/S/2	3212918	50
PZ/2	3040627	50
PZ/4	3040643	50
UPZ/ 2	3045554	50

### Strain relief for connectors and couplings



- The strain relief is snapped into the connector center on the spring-cage connector or spring-cage couplings.
- The conductor can be fixed using Phoenix Contact cable binders

Notes:
For application options for accessories, refer to page 311.
For corresponding cable binders, see Catalog 5.



General data	
Material	
Description	Color
Strain relief, for SPDB... connector and SC 2,5... coupling, 2-pos. 4-pos.	black
Strain relief, for SC 4... coupling, 2-pos.	black

Technical data		
PA-GF		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PDZ/2	3040562	50
PDZ/4	3040575	50
CZ/2	3043831	50



### Snap-lock device and strain relief



- Snap-lock fitting and strain relief in one component
- Can be snapped into connector housing as an option
- The conductor can be fixed using Phoenix Contact cable binders

<b>Notes:</b>
For application options for accessories, refer to page 311.
For corresponding cable binders, see Catalog 5.



General data	
Material	
Description	Color
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Latching and strain relief</b> , for all connectors with conductor exit at top, 2-pos.	orange
<b>Latching and strain relief</b> , for UPBV.... connectors, 2-pos.	orange

Technical data		
PA-GF		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PRZ 1,5/S	3212905	50
PRZ	3040614	50
UPRZ	3045570	50

### Snap-lock fitting



- Can be used in all connector versions
- It is snapped into the outside of the connector housing and hooks onto the terminal block housing when the connector is snapped on

<b>Notes:</b>
For application options for accessories, refer to page 311.



General data	
Material	
Description	Color
<b>Latching</b> , for connectors, 1-pos. 2-pos.	orange
<b>Latching</b> , for connectors, 1-pos. 2-pos.	orange
<b>Snap-on</b> , for SPV... connectors, 2-pos.	orange
<b>Latching</b> , for UPBV... connectors, 2-pos.	orange
<b>Latching</b> , for connectors, release with just a screwdriver	orange

Technical data		
PA-GF		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PR 1,5/S	3212882	50
PR 1,5/S/2	3212895	50
PR	3040559	50
PR/2	3040630	50
PRV/2	3041862	50
UPR/ 2	3045567	50
PRT/2	3040631	50

# Terminal blocks - CLIPLINE complete

## COMBI plug-in connection solutions - accessories

### PSH... shielding



- For connecting shielded cables
- Is snapped into a strain relief once the connector has been wired
- Connected shielded cable is fixed using a cable binder
- The shielding's connecting cable is connected via the connector and then makes direct contact with the terminal block upon connection

**Notes:**  
For corresponding cable binders, see Catalog 5.



General data	
Material	
Description	Color
Shielding, for mounting on PZ/... and PRZ, 2-pos., for cables with 3 ... 6 mm diameter, cable length: 55 mm	black
Cable length: 500 mm	black
For cables with 5 ... 10 mm diameter, cable length: 55 mm	black

Technical data		
PA		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PSH 3- 6	3040591	50
PSH 3- 6 500MM	3061525	10
PSH 5-10	3040601	50

### PC coding



- Can be used in all terminal blocks, couplings, and PCB base elements
- The individual coding elements are inserted at the coding position in the basic terminal block and the coding tab is removed at the corresponding point of the connector



General data	
Material	
Description	Color
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red

Technical data		
PA		
Ordering data		
Type	Order No.	Pcs. / Pkt.
PC	3040588	50

### CP... connector housing

- Connector housing, for accommodating conductors with crimped module socket contacts
- As an alternative to the COMBI connectors, can be used in all plug-in 4 mm<sup>2</sup> terminal blocks of the CLIPLINE complete system, COMBI, see cross-reference list, page 228
- Latches can be optionally fitted, see page 313



General data		Technical data		
Material		-		
Description		Ordering data		
Color		Type	Order No.	Pcs. / Pkt.
Connector housing, for accommodating module socket contacts		CP 4/6	3061049	10
Module socket contact, 0,5 - 1 mm <sup>2</sup>		Accessories		
For conductors from 1,5 ... 2,5 mm <sup>2</sup>		STG-MTN 0,5-1,0	3190438	100
		STG-MTN 1,5-2,5	3190506	100

### Cable housing for COMBI connector



- Robust cable housing for strain relief on connection cables
- Two-section housing
- Easy assembly
- Secure latching on the COMBI connectors and COMBI couplings provided
- Add, as with the connectors, without loss of pitch
- Additional scope for marking to mark the connectors
- The conductor can be fixed using Phoenix Contact cable binders

#### Notes:

For additional accessories, visit [phoenixcontact.net/products](http://phoenixcontact.net/products).



Cable housing, 3- to 15-pos., snap-in to PP-H 1,5 connector and PPC 1,5 coupling

#### General data

Material

#### Technical data

PA

#### Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs. / Pkt.
<b>Cable housing, for PP-H 1,5... and PPC 1,5...</b>						
	3	10,5 mm	gray	PH 1,5/S/3	<a href="#">3212756</a>	50
	4	14 mm	gray	PH 1,5/S/4	<a href="#">3212769</a>	50
	5	17,5 mm	gray	PH 1,5/S/5	<a href="#">3212772</a>	50
	6	21 mm	gray	PH 1,5/S/6	<a href="#">3212785</a>	25
	7	24,5 mm	gray	PH 1,5/S/7	<a href="#">3212798</a>	25
	8	28 mm	gray	PH 1,5/S/8	<a href="#">3212808</a>	25
	9	31,5 mm	gray	PH 1,5/S/9	<a href="#">3212811</a>	25
	10	35 mm	gray	PH 1,5/S/10	<a href="#">3212824</a>	25
	11	38,5 mm	gray	PH 1,5/S/11	<a href="#">3212837</a>	10
	12	42 mm	gray	PH 1,5/S/12	<a href="#">3212840</a>	10
	13	45,5 mm	gray	PH 1,5/S/13	<a href="#">3212853</a>	10
	14	49 mm	gray	PH 1,5/S/14	<a href="#">3212866</a>	10
	15	52,5 mm	gray	PH 1,5/S/15	<a href="#">3212879</a>	10
<b>Cable housing, for SP-H... and PP-H... COMBI connectors</b>						
	2	10,4 mm	gray			
	3	15,6 mm	gray			
	4	20,8 mm	gray			
	5	26 mm	gray			
	6	31,2 mm	gray			
	7	36,4 mm	gray			
	8	41,6 mm	gray			
	9	46,8 mm	gray			
	10	52 mm	gray			
	11	57,2 mm	gray			
	12	62,4 mm	gray			
	13	67,6 mm	gray			
	14	72,8 mm	gray			
	15	78 mm	gray			
<b>Cable housing, for PP-H 4... COMBI connectors</b>						
	2	12,4 mm	gray			
	3	18,6 mm	gray			
	4	24,8 mm	gray			
	5	31 mm	gray			
	6	37,2 mm	gray			
	7	43,4 mm	gray			
	8	49,6 mm	gray			
	9	55,8 mm	gray			
	10	62 mm	gray			
<b>Cable housing, for PP-H 6... COMBI connectors</b>						
	2	16,4 mm	gray			
	3	24,6 mm	gray			
	4	32,8 mm	gray			
	5	41 mm	gray			
	6	49,2 mm	gray			
	7	57,4 mm	gray			
<b>Bend protection sleeve, for 3 - 9 mm cable diameter, suitable for PH 1,5/S/5 - PH 1,5/S/8 and PH 2,5/3 - PH 2,5/5</b>						
			black	CPH 3-9	<a href="#">3212015</a>	25

#### Accessories



Cable housing, 2- to 15-pos., snap-in to PP-H 2,5... and SP-H 2,5 connectors



Cable housing, 2- to 10-pos., snap-in to PP-H 4 connector



Cable housing, 2- to 7-pos., snap-in to PP-H 6 connector

Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.

PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25
PH 2,5/10	3209769	25
PH 2,5/11	3209772	10
PH 2,5/12	3209785	10
PH 2,5/13	3209798	10
PH 2,5/14	3209808	10
PH 2,5/15	3209811	10

Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.

PH 4/2	3000734	50
PH 4/3	3000736	50
PH 4/4	3000737	50
PH 4/5	3000738	50
PH 4/6	3000739	25
PH 4/7	3000740	25
PH 4/8	3000741	25
PH 4/9	3000742	25
PH 4/10	3000743	25

PH 6/2	3000680	25
PH 6/3	3000681	25
PH 6/4	3000682	25
PH 6/5	3000683	25
PH 6/6	3000684	10
PH 6/7	3000685	10

Accessories		
Type	Order No.	Pcs. / Pkt.
CPH 3-9	3212015	25

Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.

PH 6/2	3000680	25
PH 6/3	3000681	25
PH 6/4	3000682	25
PH 6/5	3000683	25
PH 6/6	3000684	10
PH 6/7	3000685	10

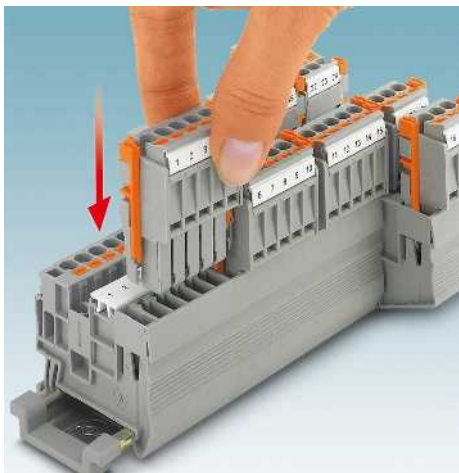
Accessories		
Type	Order No.	Pcs. / Pkt.
CPH 3-9	3212015	25

### Self-locking flange cover

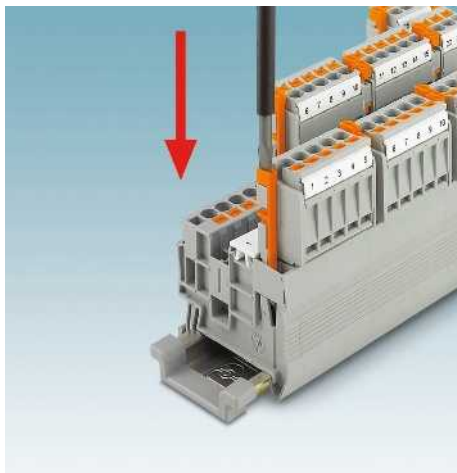


The secure latching protects the connectors from coming loose by mistake.

- The **self-locking flanges** are snapped onto the DIN rail directly
- Same shape and pitch as the basic terminal blocks
- Due to the offset arrangement of the locking holes, only one self-locking flange is required between two neighboring connectors
- The **self-locking flange covers** can be snapped onto the connector housing later on
- Automatic latching in self-locking flange



- When connecting, the connectors latch automatically in the self-locking flange



- The connector is released again by pressing down the locking hook with a screwdriver

#### General data

Insulating material

Description	Color
<b>Self-locking flange cover</b> , for SPB 2,5	gray
<b>Self-locking flange cover</b> , for SPDB 2,5	gray
<b>Self-locking flange cover</b> , for SP-H 2,5... and PP-H 2,5...	gray
<b>Self-locking flange</b> , for ST-COMBI and PT-COMBI terminal blocks when using SPB 2,5..., SPDB 2,5..., SP-H 2,5..., and PP-H 2,5 connectors, for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5-PE/1P*	gray
for ST 2,5-TWIN/1P, ST 2,5-TWIN/1P-PE, PT 2,5-TWIN/1P, PT 2,5-TWIN/1P-PE	gray
for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, PT 2,5-QUATTRO/2P, PT 2,5-QUATTRO/2P-PE	gray
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray
for ST 2,5/2P, ST 2,5/2P-PE	gray
for STTB 2,5/2P, STTB 2,5/2P-PE, PTTB 2,5/2P, PTTB 2,5/2P-PE	gray



Self-locking flange cover



Self-locking flange

ERC

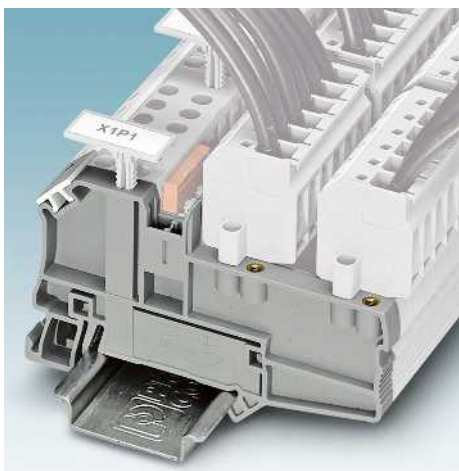
Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.
DFS-SPB 2,5	3061444	50
DFS-SPDB 2,5	3061457	50
DFS-SP-H 2,5	3061431	50

Technical data
PA

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST 2,5/1P-FS	3061376	50
ST 2,5-TWIN/1P-FS	3061389	50
ST 2,5-QUATTRO/2P-FS	3061392	50
ST 2,5-QUATTRO/4P-FS	3061402	50
ST 2,5/2P-FS	3061415	50
STTB 2,5/2P-FS	3061428	50

### Screw flange and flange cover



- The secure latching protects the connectors from coming loose by mistake.
- The **screw flanges** snapped onto the DIN rail directly
  - Same shape and pitch as the basic terminal blocks
  - Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors
  - The **screw flange covers** can be snapped onto the connector housing later on
  - For reliably screwing down the connector with the screw flange



Screw flange cover



#### General data

Tightening torque	[Nm]	0,4 - 0,5
Insulating material		PA

#### Technical data

#### Ordering data

Description	Color
<b>Screw flange cover</b> , for UP 4 COMBI connector	gray
For UP 6 COMBI connector	gray
<b>Screw flange cover</b> , for UPBV 2,5 and UPBV 4 COMBI connectors	gray
<b>Screw flange cover</b> , for SP-H ... and PP-H ... COMBI connectors	gray
<b>Screw flange</b> , for UT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 connectors	gray
for UT 2,5/1P, UT 2,5/1P-PE	
for UT 2,5-TWIN/1P	gray
for UTTB 2,5/ 2P, UTTB 2,5/ 2P-PV, UTTB 2,5/ 2P-PE	gray
for UT 4/ 1P, UT 4/ 1PPE	gray
for UT 2,5-TWIN/ 1P, UT 2,5-TWIN/ 1P-PE, UT 4-TWIN/ 1P, UT 4-TWIN/ 1P-PE	gray
for UT 4-QUATTRO/2P, UT 4-QUATTRO/2P-PE	gray
for UT 6-QUATTRO/2P, UT 6-QUATTRO/2P-PE	gray
<b>Screw flange</b> , for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 connectors	gray
for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE	
for ST 2,5/2P, ST 2,5/2P-PE, PT 2,5/2P, PT 2,5/2P-PE	gray
for ST 2,5-TWIN/1P, ST 2,5-TWIN/1P-PE, PT 2,5-TWIN/1P, PT 2,5-TWIN/1P-PE	gray
for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, ST 2,5-TWIN-MT/1P, ST 2,5-TWIN-TG/1P, PT 2,5-QUATTRO/2P, PT 2,5-QUATTRO/2P-PE	gray
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray
for STTB 2,5/2P, STTB 2,5/2P-PV, STTB 2,5/2P-PE, PTTB 2,5/2P	gray
<b>Screw flange</b> , for QT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP-H 2,5 connectors	gray
for QTC 1,5/1P, QTC 1,5/1P-PE	
for QTTCB 1,5/ 2P, QTTCB 1,5/ 2PPE	gray

Type	Order No.	Pcs. / Pkt.
<b>DF-UP 4</b>	<a href="#">3060348</a>	50
<b>DF-UP 6</b>	<a href="#">3060856</a>	50
<b>DF-UPBV 2,5/ 4</b>	<a href="#">3060432</a>	50
<b>DF-SP-H 2,5</b>	<a href="#">3209824</a>	50





Screw flange

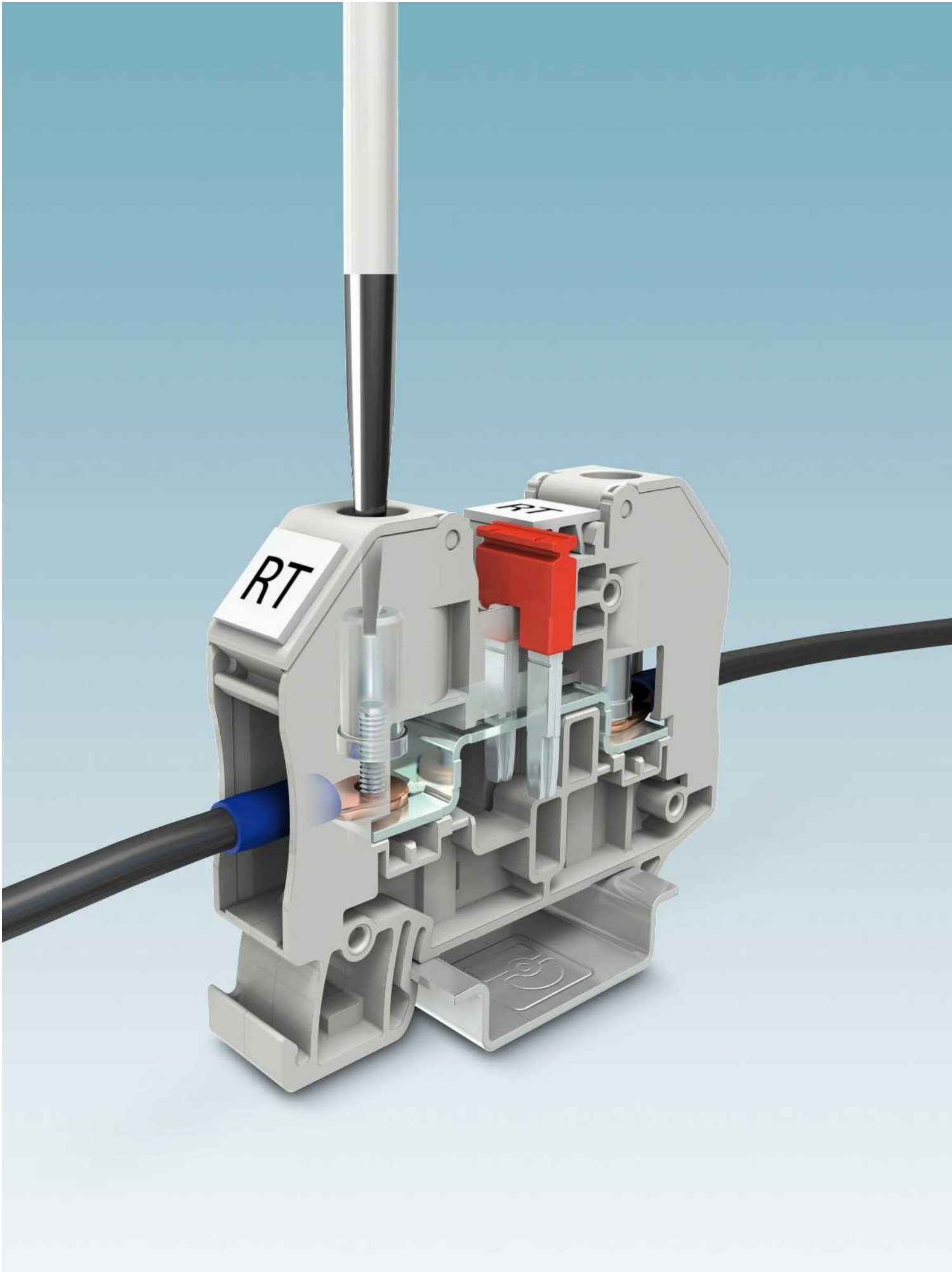


Screw flange



Screw flange

ERIC			ERIC			ERIC		
Technical data			Technical data			Technical data		
0,4 - 0,5 PA			0,4 - 0,5 PA			0,4 - 0,5 PA		
Ordering data			Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
UT 2,5/1P-F	3060445	50						
UT 2,5-TWIN/1P-F	3061172	50						
UTTB 2,5/2P-F	3060474	50						
UT 4/ 1P-F	3060458	50						
UT 4-TWIN/ 1P-F	3060322	50						
UT 4-QUATTRO/ 2P-F	3060335	50						
UT 6-QUATTRO/2P-F	3060843	50						
			ST 2,5/1P-F	3209837	50			
			ST 2,5/2P-F	3061198	50			
			ST 2,5-TWIN/1P-F	3209840	50			
			ST 2,5-QUATTRO/2P-F	3209853	50			
			ST 2,5-QUATTRO/4P-F	3061208	50			
			STTB 2,5/2P-F	3061169	50			
						QTC 1,5/1P-F	3061211	50
						QTTCB 1,5/ 2P-F	3061185	50



# RT... bolt connection terminal blocks

The RT... bolt connection terminal blocks have been developed with a robust design and for the convenient wiring of ring cable lugs. The key feature of these terminal blocks is the hinged cover which can be swung up and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

All ring cable lugs which comply with DIN 46234, DIN 46235 or DIN 46237 can be connected.

A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All kinds of conductors up to 240 mm<sup>2</sup> can be wired securely and with long-term stability.

## Product range overview

### 2.5 mm<sup>2</sup>

Feed-through terminal blocks and ground terminals **329**

### 6 mm<sup>2</sup>

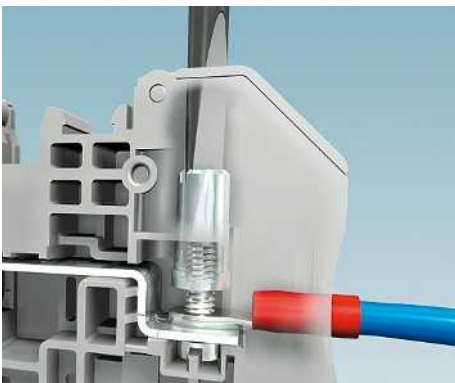
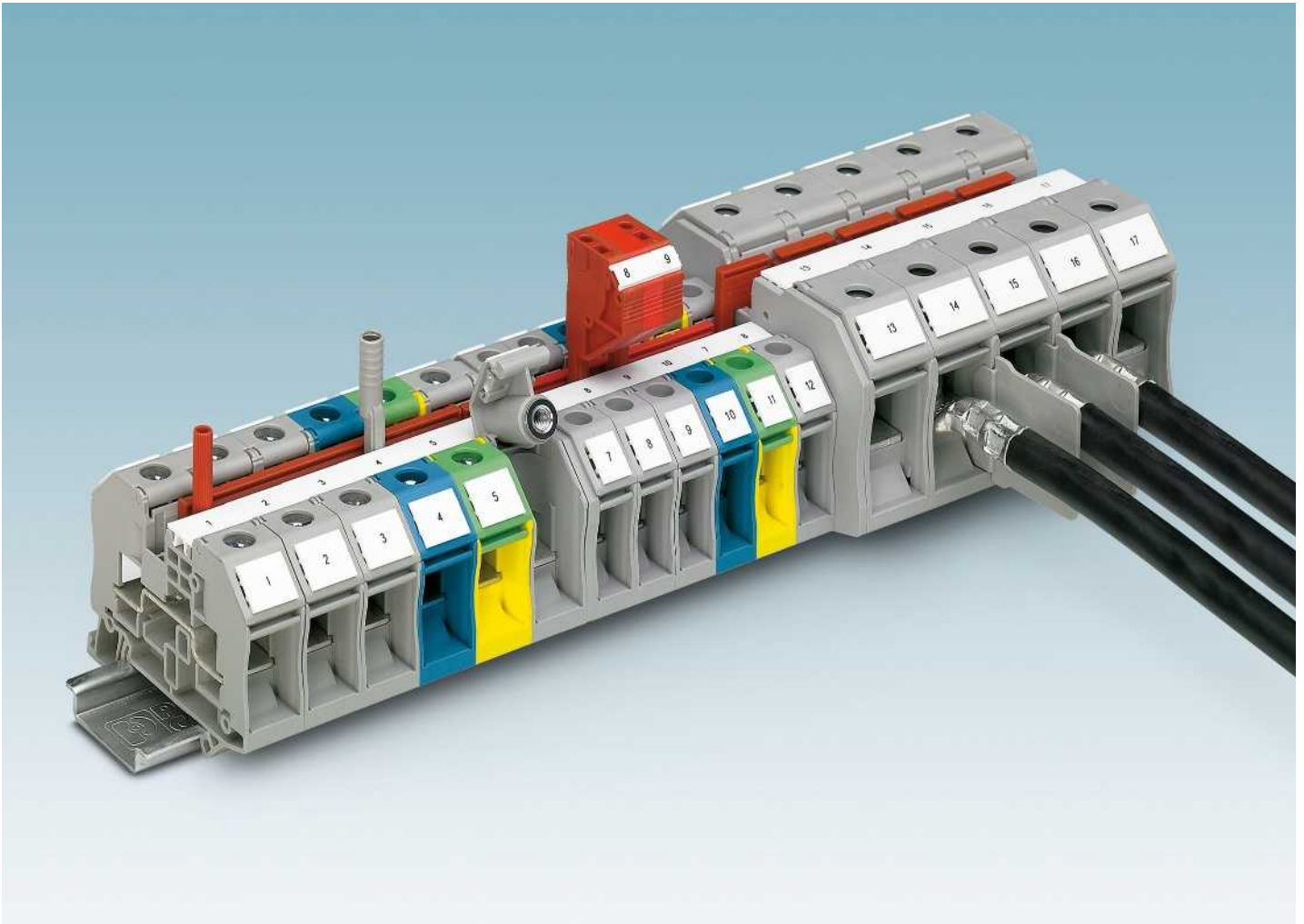
Feed-through terminal blocks, ground terminals, and test disconnect terminal blocks **331**

### 35 mm<sup>2</sup>

Feed-through terminal blocks **335**

# Terminal blocks - CLIPLINE complete

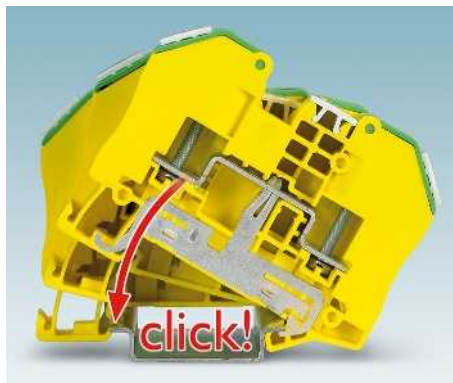
## RT... bolt connection terminal blocks



### Robust and zero-maintenance

The bolt connection technology is used in numerous applications. The benefits are:

- Robust contact
- Zero maintenance thanks to integrated screw retention
- Multiple conductor connection



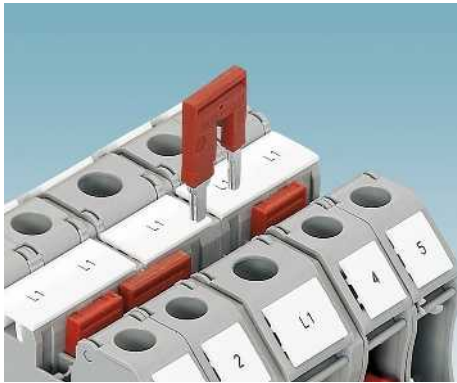
### Snap-on PE foot

Ground terminals of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

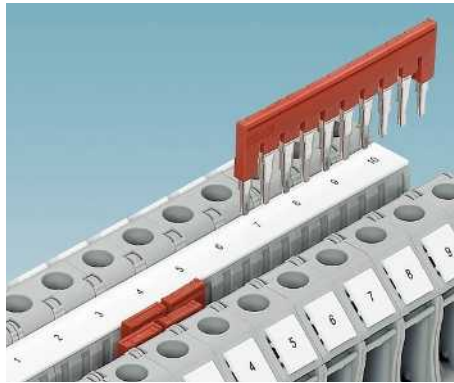


### Flexible jumper system

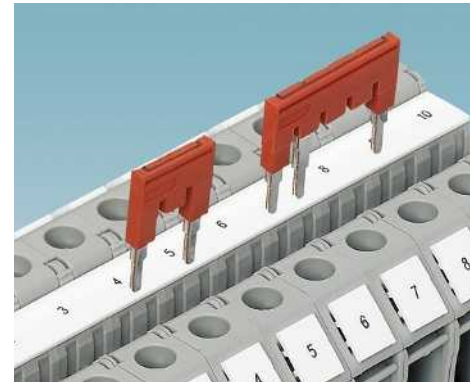
The potential distribution can be implemented at speed with the standardized jumpers. Using two bridge shafts in all terminal blocks makes flexible chain, level or jumping bridges possible.



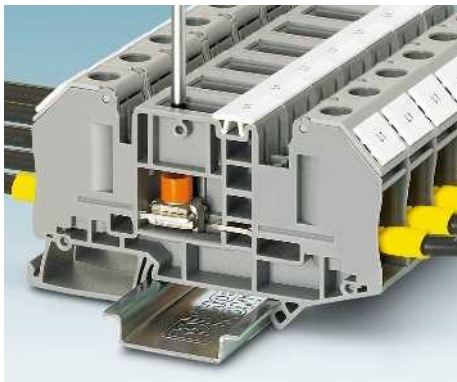
The reducing bridge enables a simple connection of terminal blocks with different nominal cross sections, e.g., an RT 8 with an RT 3 terminal block. Power blocks can be created quickly using the reducing bridge.



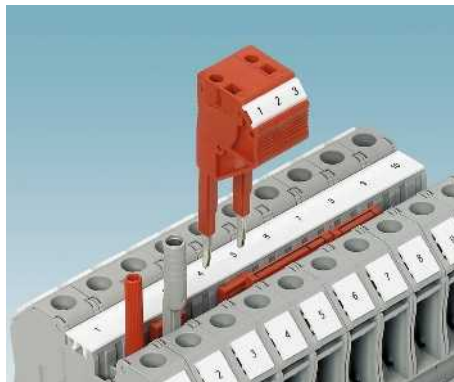
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2 to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



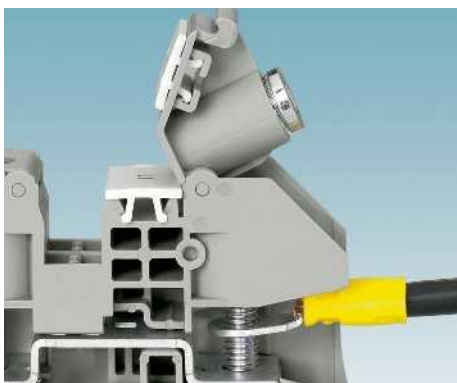
The RT 5-T is used in applications where the connections have to be separable. The feed-through can be opened or closed using a screwed disconnect slide without the contact points having to be released.



A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.



Clear marking can be easily produced with the RT... terminal blocks. Large and clear marking in the middle of the terminal block guarantees reliable and quick installation.



The hinged cover typical of RT... terminal blocks ensures finger protection when using an insulated cable lug. Connecting the conductor is also a much simpler process thanks to the captive, integrated cap nut. Each terminal point can also be marked on the hinged cover itself.



The open RTO series has the same shape as the RT... series. This features standard hexagonal nuts rather than the cap nuts used in the hinged cover. A version with a transparent cover provides shock protection. The right terminal block is therefore available for every application.



The RT... and RTO... terminal blocks can be wired with uninsulated cable lugs as well. These are fitted with BE-RT plug-on dividing panels to guarantee the high rated voltages.

## Terminal blocks - CLIPLINE complete

### RT... bolt connection terminal blocks

#### RT ... feed-through terminal blocks



- Easy to operate and use thanks to the robust bolt connection
- Universal use thanks to large cross section range
- Space saving thanks to the compact design
- Easy potential distribution with time-saving jumper system
- Safety for the user thanks to integrated shock protection
- Comprehensive range of accessories: standardized for bridging, testing, and marking

**i** Your web code: **#0051**

#### RT ... test disconnect terminal blocks



- Easy and safe operation thanks to clear indication of switching states
- Maximum functionality – up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Optimum overview of connections thanks to large-surface marking options
- High degree of convenience for all the necessary test circuits in secondary current transformer circuits

**i** Your web code: **#0052**



# Terminal blocks - CLIPLINE complete

## 2.5 mm<sup>2</sup> RT... bolt connection terminal blocks

### General technical data for 2.5 mm<sup>2</sup> RT... bolt connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	26 - 14
<b>Connection capacity, DIN 46234</b>		
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.5 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
<b>Connection capacity, DIN 46237</b>		
Cable lugs DIN 46237	[mm <sup>2</sup> ]	1 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Color code		1.00 mm <sup>2</sup> red
Color code		2.50 mm <sup>2</sup> blue
<b>General data</b>		
Tightening torque	[Nm]	0.6 - 0.8
Bolt thread		M3
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

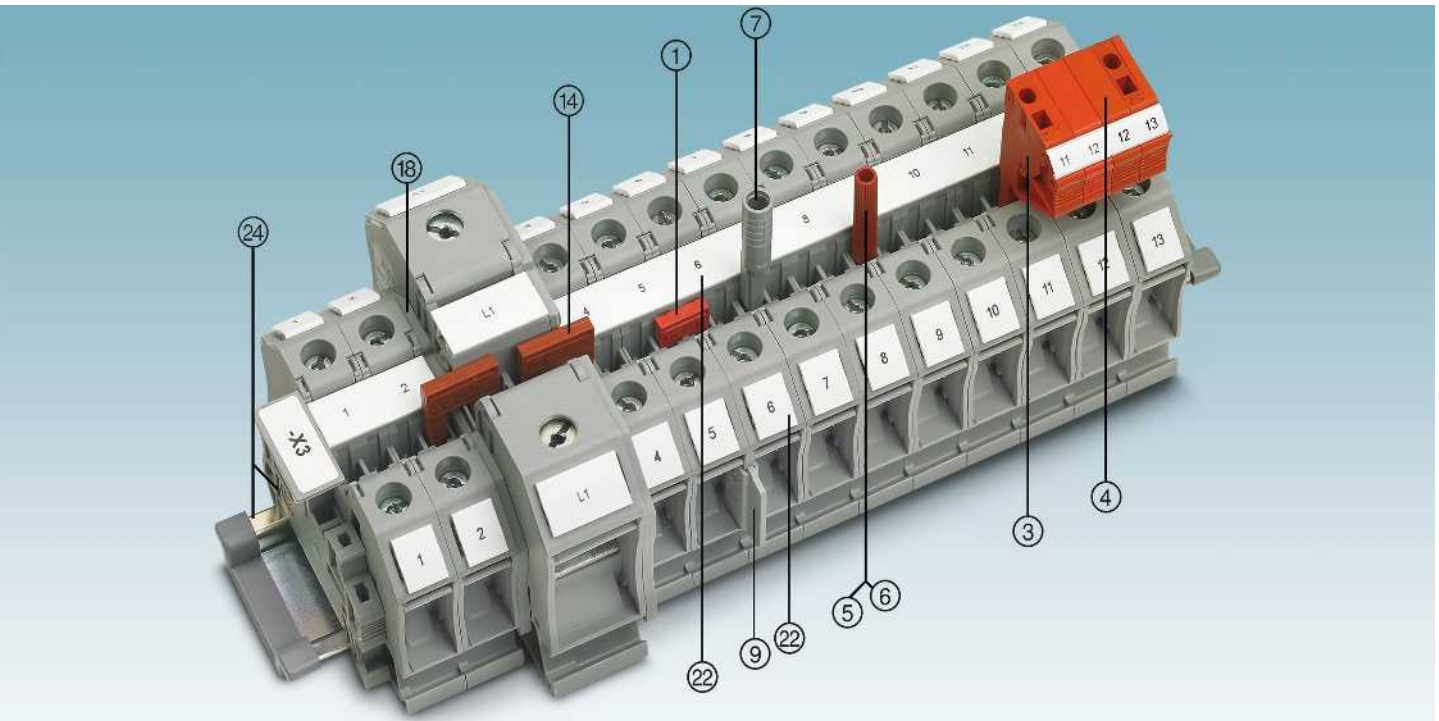


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

### System accessories for 2.5 mm<sup>2</sup> RT... bolt connection terminal blocks



Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-6	3030336	50	FBSR 2-6	3033715	50
	3	red	FBS 3-6	3030242	50	FBSR 3-6	3001594	50
	4	red	FBS 4-6	3030255	50	FBSR 4-6	3001595	50
	5	red	FBS 5-6	3030349	50	FBSR 5-6	3001596	50
	10	red	FBS 10-6	3030271	10	FBSR 10-6	3033716	10
	20	red	FBS 20-6	3030365	10			
③ Modular test plug		red	PS-6	3030996	10			
④ Spacer plate		red	DP PS-6	3036738	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑨ Path extension		gray	BE-RT 3/5	3049819	100			
Screwdriver			SZS 1,0X6,5 VDE	1205079	10			
Socket wrench			SHN 5.5	1209855	10			

④ Reducing bridge
⑧ Cover
⑫ Center and lateral groove marking
⑭ DIN rails and end brackets
For full accessories, visit phoenixcontact.net/products

For RB ..., see page 344.
Documented for the product.
UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 5, selection tables from page 100.
See Catalog 5.
Note: additional or deviating accessories are documented for the product.



### Feed-through terminal blocks and ground terminals

**Notes:**

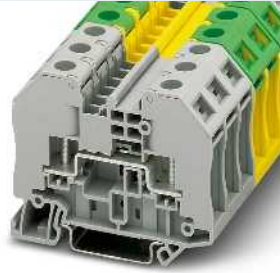
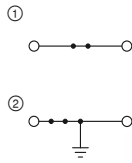
1) For additional accessories and technical data, see page 328.

When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 346.

For CARRIER 35-8 separating disk with storage option for jumpers, visit [phoenixcontact.net/products](http://phoenixcontact.net/products).

For further bolt connection terminal blocks, see page 478.

For information on installation and using accessories for Ex applications, see page 602.



24 A, feed-through terminal block



Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

**Technical data<sup>1)</sup>**

Width	Length	Height		
12.3	66	51 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	1000	0.1 - 2.5	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	-	550	
Nominal current / cross section			24 / 2.5	

**Ordering data**

Type	Order No.	Pcs. / Pkt.
RT 3	① 3049013	50
RT 3 BU	① 3049110	50
RT 3-PE	② 3049411	50

**Accessories<sup>1)</sup>**

D-RT 3/5	3049097	50
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**Dimensions** [mm]

**Max. electrical data**

Max. bridge current [A]

**Rated data**

Rated voltage [V]

Nominal current / cross section [A] / [mm<sup>2</sup>]

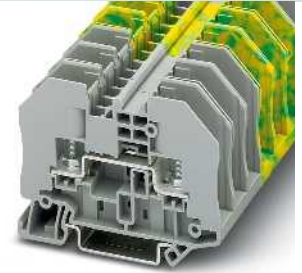
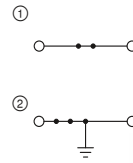
Description Color

Terminal block gray

Terminal block blue

Ground terminal green-yellow

Cover, width 2.2 mm gray



24 A, feed-through terminal block, open



Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

**Technical data<sup>1)</sup>**

Width	Length	Height		
12.3	66	49.9 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	1000	0.1 - 2.5	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	-	550	
Nominal current / cross section			24 / 2.5	

**Ordering data**

Type	Order No.	Pcs. / Pkt.
RTO 3	① 3049518	50
RTO 3 BU	① 3049660	50
RTO 3-PE	② 3049615	50

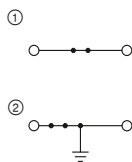
**Accessories<sup>1)</sup>**

D-RT 3/5	3049097	50
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### Feed-through terminal blocks and ground terminals

**Notes:**

1) For additional accessories and technical data, see page 328.



24 A, feed-through terminal block, with transparent shock protection cover



**Technical data<sup>1)</sup>**

Width	Length	Height		
12.3	66	51 (NS 35/7,5)		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	1000	0.1 - 2.5	-	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	-	-	-	
Nominal current / cross section			24 / 2.5	

**Ordering data**

Type	Order No.	Pcs. / Pkt.
RTO 3-TC	① 3049945	50
RTO 3-TC BU	① 3049835	50
RTO 3-PE-TC	② 3049958	50

**Accessories<sup>1)</sup>**

D-RT 3/5	3049097	50
----------	---------	----

**Dimensions** [mm]

**Max. electrical data**

Max. bridge current [A]

**Rated data**

Rated voltage [V]

Nominal current / cross section [A] / [mm<sup>2</sup>]

Description Color

Terminal block gray

Terminal block blue

Ground terminal green-yellow

Cover, width 2.2 mm gray

# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> RT... bolt connection terminal blocks

### General technical data for 6 mm<sup>2</sup> RT... bolt connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm <sup>2</sup> ]	6
Cross section range	AWG	26 - 10
<b>Connection capacity, DIN 46234</b>		
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.5 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
<b>Connection capacity, DIN 46237</b>		
Cable lugs DIN 46237	[mm <sup>2</sup> ]	1 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Color code		1.00 mm <sup>2</sup> red
Color code		2.50 mm <sup>2</sup> blue
Color code		6.00 mm <sup>2</sup> yellow
<b>General data</b>		
Tightening torque	[Nm]	2.5 - 3
Bolt thread		M5
Insulating material		PA
Inflammability class according to UL 94		V0

**Note: additional or deviating data is documented for the product.**

#### Notes:

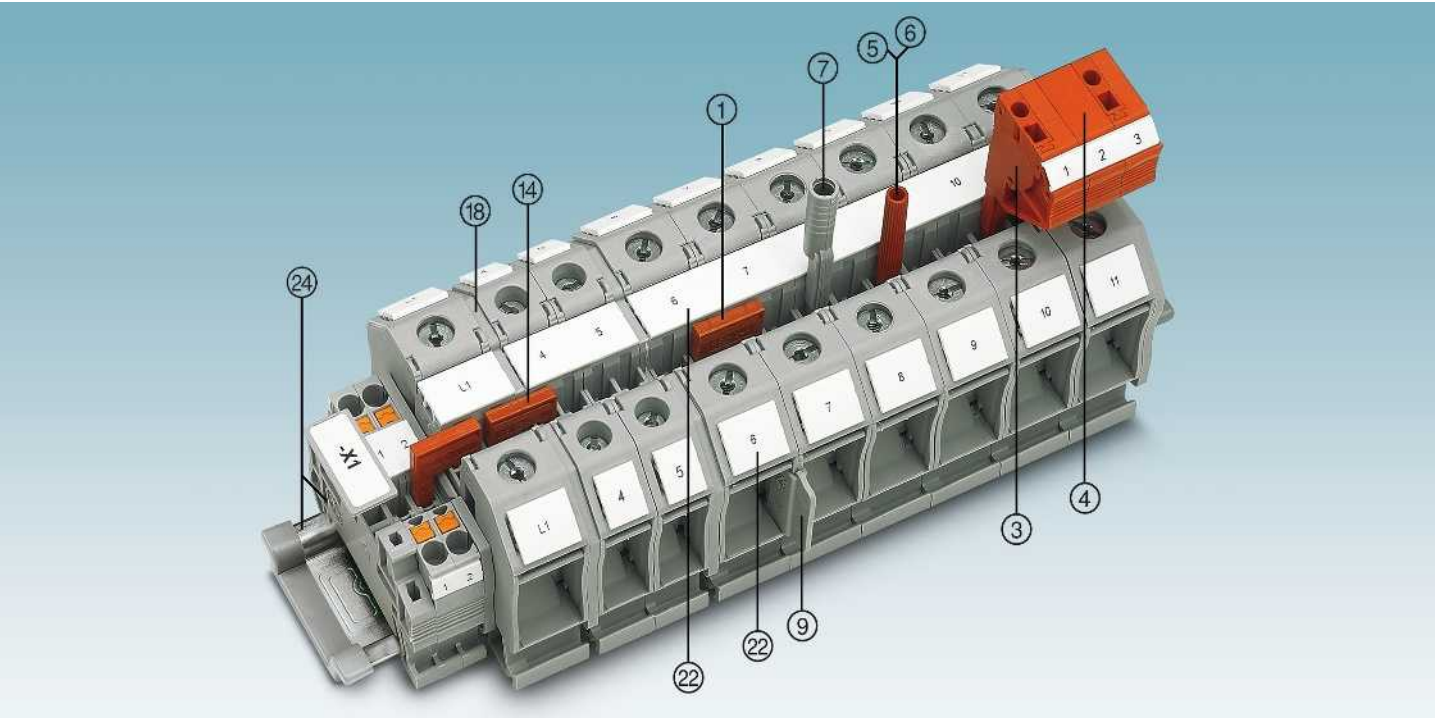


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

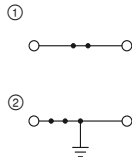
### System accessories for 6 mm<sup>2</sup> RT... bolt connection terminal blocks



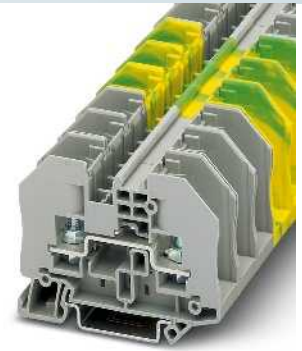
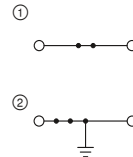
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-8	3030284	10	FBSR 2-8	3033808	10
	3	red	FBS 3-8	3030297	10	FBSR 3-8	3001597	10
	4	red	FBS 4-8	3030307	10	FBSR 4-8	3000585	10
	5	red	FBS 5-8	3030310	10	FBSR 5-8	3033809	10
	10	red	FBS 10-8	3030323	10	FBSR 10-8	3001599	10
	16	red	FBS 16-8			FBSR 16-8	3033816	10
③ Modular test plug		red	PS-8	3031005	10			
④ Spacer plate		red	DP PS-8	3036741	10			
⑤ Test plug metal part		silver	MPS-MT	0201744	10			
⑥ Insulating sleeve, for MPS metal part		red	MPS-IH RD	0201676	10			
⑦ Test adapter, 4 mm socket hole		gray	PAI-4-N GY	3032871	10			
⑨ Path extension		gray	BE-RT 3/5	3049819	100			
Screwdriver			SZS 1,0X6,5 VDE	1205079	10			
Socket wrench			SHN 8	1209868	1			
⑭ Reducing bridge	For RB ..., see page 344.							
⑰ Partition plates/end cover segments	For ATP... / DS..., visit phoenixcontact.net/products							
⑱ Cover	Documented for the product.							
⑳ Center and lateral groove marking	UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 5, selection tables from page 100.							
㉑ DIN rails and end brackets	See Catalog 5.							
For full accessories, visit phoenixcontact.net/products	Note: additional or deviating accessories are documented for the product.							

Feed-through terminal blocks and ground terminals

**Notes:**  
 1) For additional accessories and technical data, see page 330.  
 For information on installation and using accessories for Ex applications, see page 602.



41 A, feed-through terminal block



41 A, feed-through terminal block, open

UL US ENEC ABS CB

Ex: Ex I Ex II  
 PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	16.3	66	51 (NS 35/7,5)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	41	1000	0.1 - 6	-
Max. bridge current	41 (FBS)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	-	550
Nominal current / cross section	41 / 6	30 / -	-	41 / 6

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Terminal block	RT 5	3049026	50
With transparent shock-protection hood	RT 5 BU	3049123	50
Ground terminal	RT 5-PE	3049424	50
With transparent shock-protection hood			

Accessories <sup>1)</sup>		
Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-RT 3/5	3049097

UL US ENEC ABS CB

Ex: Ex I Ex II  
 PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	16.3	66	49.9 (NS 35/7,5)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	41	1000	0.1 - 6	-
Max. bridge current	41 (FBS)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	1000	600	-	550
Nominal current / cross section	41 / 6	30 / -	-	41 / 6

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Terminal block	RTO 5	3049521	50
With transparent shock-protection hood	RTO 5 BU	3049767	50
	RTO 5-TC	3049961	50
	RTO 5-TC BU	3049851	50
Ground terminal	RTO 5-PE	3049628	50
With transparent shock-protection hood	RTO 5-PE-TC	3049974	50

Accessories <sup>1)</sup>		
Description	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-RT 3/5	3049097

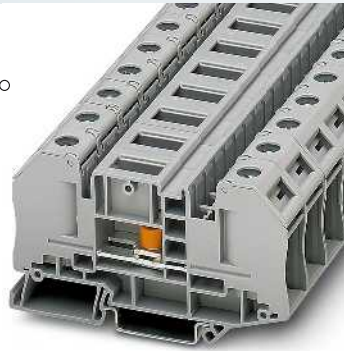
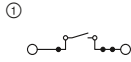
# Terminal blocks - CLIPLINE complete

## 6 mm<sup>2</sup> RT... bolt connection terminal blocks

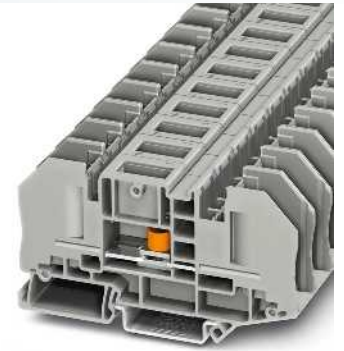
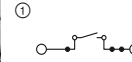
### Test disconnect terminal blocks

#### Notes:

- 1) For additional accessories and technical data, see page 330.
- 2) Rated voltage for 500 V open disconnect point.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, open



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	16.3	91.4	51 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	41	1000 <sup>2)</sup>	0.1 - 6	-
Rated data	41 (FBS) / 32 (FBSR)			
Max. bridge current [A]	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000 <sup>2)</sup>	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 / 6	30 / -	-	-
General data	Tightening torque disconnect slide [Nm]			
	1.5 - 1.8			

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Test disconnect terminal block	RT 5-T	3049039	25
With transparent shock-protection hood			

Accessories <sup>1)</sup>			
Description	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-RT 5-T	3049291	50



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
[mm]	16.3	91.4	49.9 (NS 35/7,5)	
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
	41	1000 <sup>2)</sup>	0.1 - 6	-
Rated data	41 (FBS) / 32 (FBSR)			
Max. bridge current [A]	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000 <sup>2)</sup>	600	-	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 / 6	30 / -	-	-
General data	Tightening torque disconnect slide [Nm]			
	1.5 - 1.8			

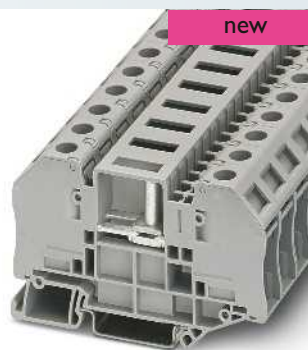
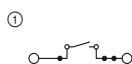
Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Test disconnect terminal block	RTO 5-T	3049233	25
With transparent shock-protection hood	RTO 5-T-TC	3049990	25

Accessories <sup>1)</sup>			
Description	Type	Order No.	Pcs. / Pkt.
Cover, width 2.2 mm	D-RT 5-T	3049291	50

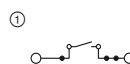
## Test disconnect terminal blocks

## Notes:

<sup>1)</sup> For additional accessories and technical data, see page 330.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, with transparent shock protection cover



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	12.3	82.4	51 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)	
	41	500	0.1 - 6	
Max. bridge current	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-	-
Nominal current / cross section	41	30	-	-
General data	Tightening torque [Nm] 1.5 - 1.8			
Bolt thread	M4			

Ordering data			
Description	No. of positions	Color	Type
Test disconnect terminal block, with test socket screws		gray	RT 4-T-P/P
		gray	

Accessories <sup>1)</sup>			
Description	No. of positions	Color	Type
Cover, width 2.2 mm Jumper		gray	D-RT 4-T
	2	red	FBS 2-6
	3	red	FBS 3-6
	4	red	FBS 4-6
	5	red	FBS 5-6
	10	red	FBS 10-6
	20	red	FBS 20-6
Modular test plug, for the individual assembly of test pin strips		red	PS-6
Spacer plate for test plug, for skipping individual terminal blocks during the assembly of individual test plugs, 6.2 mm wide, can be labeled with ZBF 6		red	DP PS-6
Screwdriver			SF-SL 0,8X4,0-100



Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	12.3	82.4	51 (NS 35/7,5)	
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	max. Ø [mm <sup>2</sup> ] AWG (UL)	
	41	500	0.1 - 6	
Max. bridge current	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-	-
Nominal current / cross section	41	30	-	-
General data	Tightening torque [Nm] 1.5 - 1.8			
Bolt thread	M4			

Ordering data			
Description	No. of positions	Color	Type
Test disconnect terminal block, with test socket screws		gray	RTO 4-T-TC
		gray	

Accessories <sup>1)</sup>			
Description	No. of positions	Color	Type
Cover, width 2.2 mm Jumper		gray	D-RT 4-T
	2	red	FBS 2-6
	3	red	FBS 3-6
	4	red	FBS 4-6
	5	red	FBS 5-6
	10	red	FBS 10-6
	20	red	FBS 20-6
Modular test plug, for the individual assembly of test pin strips		red	PS-6
Spacer plate for test plug, for skipping individual terminal blocks during the assembly of individual test plugs, 6.2 mm wide, can be labeled with ZBF 6		red	DP PS-6
Screwdriver			SF-SL 0,8X4,0-100

# Terminal blocks - CLIPLINE complete

## 35 mm<sup>2</sup> RT... bolt connection terminal blocks

### General technical data for 35 mm<sup>2</sup> RT... bolt connection terminal blocks

<b>Rated data</b>		IEC 60947-7-1
Rated cross section	[mm <sup>2</sup> ]	35
Cross section range	AWG	14 - 2
<b>Connection capacity, DIN 46234</b>		
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	2.5 - 35
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 16
<b>Connection capacity, DIN 46237</b>		
Cable lugs DIN 46237	[mm <sup>2</sup> ]	2.5 - 6
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14
Color code		2.50 mm <sup>2</sup> blue
Color code	yellow	6.00 mm <sup>2</sup>
<b>General data</b>		
Tightening torque	[Nm]	4.5 - 5
Bolt thread		M8
Insulating material		PA
Inflammability class according to UL 94		V0
<b>Note: additional or deviating data is documented for the product.</b>		

#### Notes:

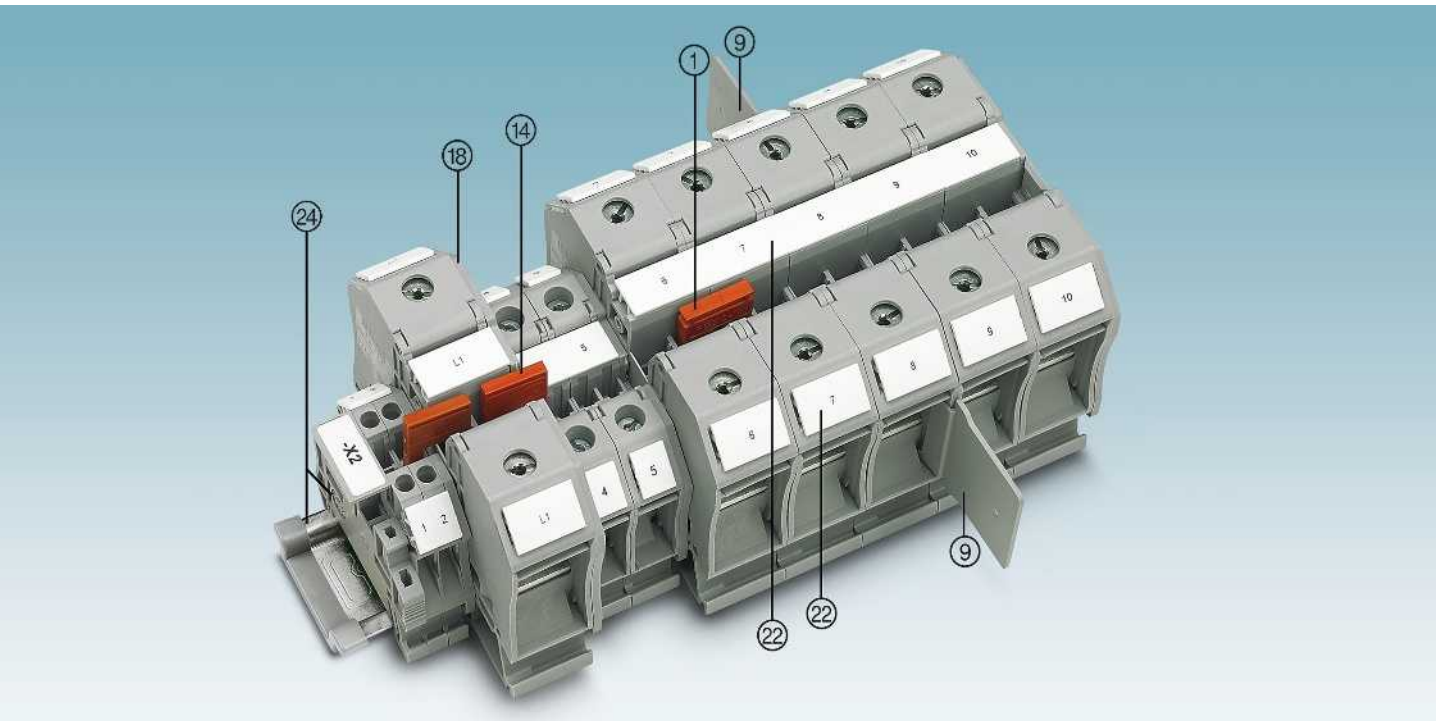


In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

<sup>1)</sup> The bridge current is documented for the respective product. For additional colors, see page 340.

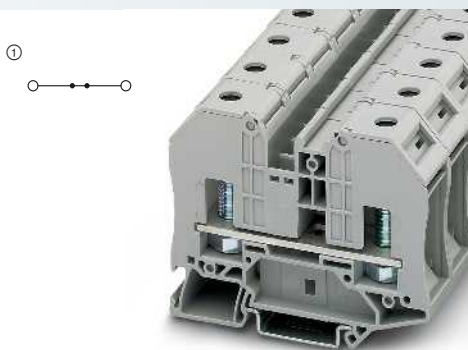
### System accessories for 35 mm<sup>2</sup> RT... bolt connection terminal blocks



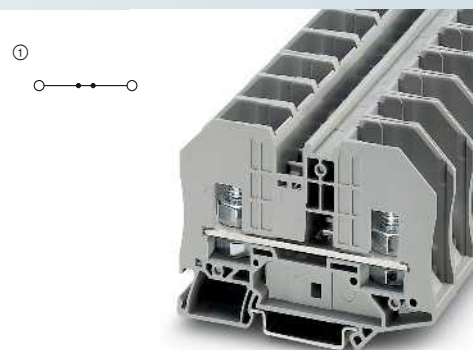
Description	Number of positions	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
① Jumper <sup>1)</sup>	2	red	FBS 2-10	3005947	10			
③ Path extension Socket wrench			BE-RT 8 SHN 13	3049916 1209923	50 1			
④ Reducing bridge			For RB ..., see page 344.					
⑧ Cover			Documented for the product.					
⑫ Center and lateral groove marking			UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 5, selection tables from page 100.					
⑳ DIN rails and end brackets			See Catalog 5.					
For full accessories, visit phoenixcontact.net/products			Note: additional or deviating accessories are documented for the product.					

Feed-through terminal blocks

**Notes:**  
 1) For additional accessories and technical data, see page 334.  
 For information on installation and using accessories for Ex applications, see page 602.



125 A, feed-through terminal block



125 A, feed-through terminal block, open

UL US ENEC ABS CB

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	20.3	84	63.8 (NS 35/7,5)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	125	1000	2.5 - 35	-
Rated data	Max. bridge current	[A]		
	57			
General data	Rated voltage	UL / CUL	CSA	Ex
	1000	600	-	690
	Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
	125 / 35	115 / -	-	125 / 35
	Tightening torque	[Nm]		
	4.5 - 5			

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Terminal block	RT 8	3049042	25
With transparent shock-protection hood	RT 8 BU	3049148	25

Accessories <sup>1)</sup>			
Accessories	Order No.	Pcs. / Pkt.	
Cover, width 2.2 mm	D-RT 8	3049194	50

UL US ENEC ABS CB

Ex: PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data <sup>1)</sup>				
Dimensions	Width	Length	Height	
	20.2	84	62.2 (NS 35/7,5)	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	max. Ø [mm <sup>2</sup> ]	AWG (UL)
	125	1000	2.5 - 35	-
Rated data	Max. bridge current	[A]		
	57			
General data	Rated voltage	UL / CUL	CSA	Ex
	1000	600	-	690
	Nominal current / cross section	[A] / [mm <sup>2</sup> ]		
	125 / 35	115 / -	-	125 / 35
	Tightening torque	[Nm]		
	6 - 10			

Ordering data			
Description	Type	Order No.	Pcs. / Pkt.
Terminal block	RTO 8	3049343	25
With transparent shock-protection hood	RTO 8 BU	3049864	25
	RTO 8-TC	3050002	25
	RTO 8-TC BU	3049929	25

Accessories <sup>1)</sup>			
Accessories	Order No.	Pcs. / Pkt.	
Cover, width 2.2 mm	D-RT 8	3049194	50





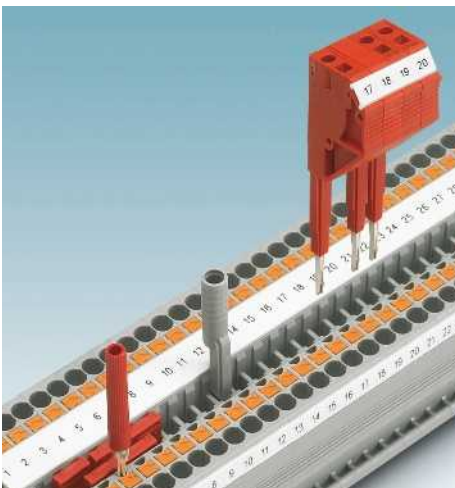
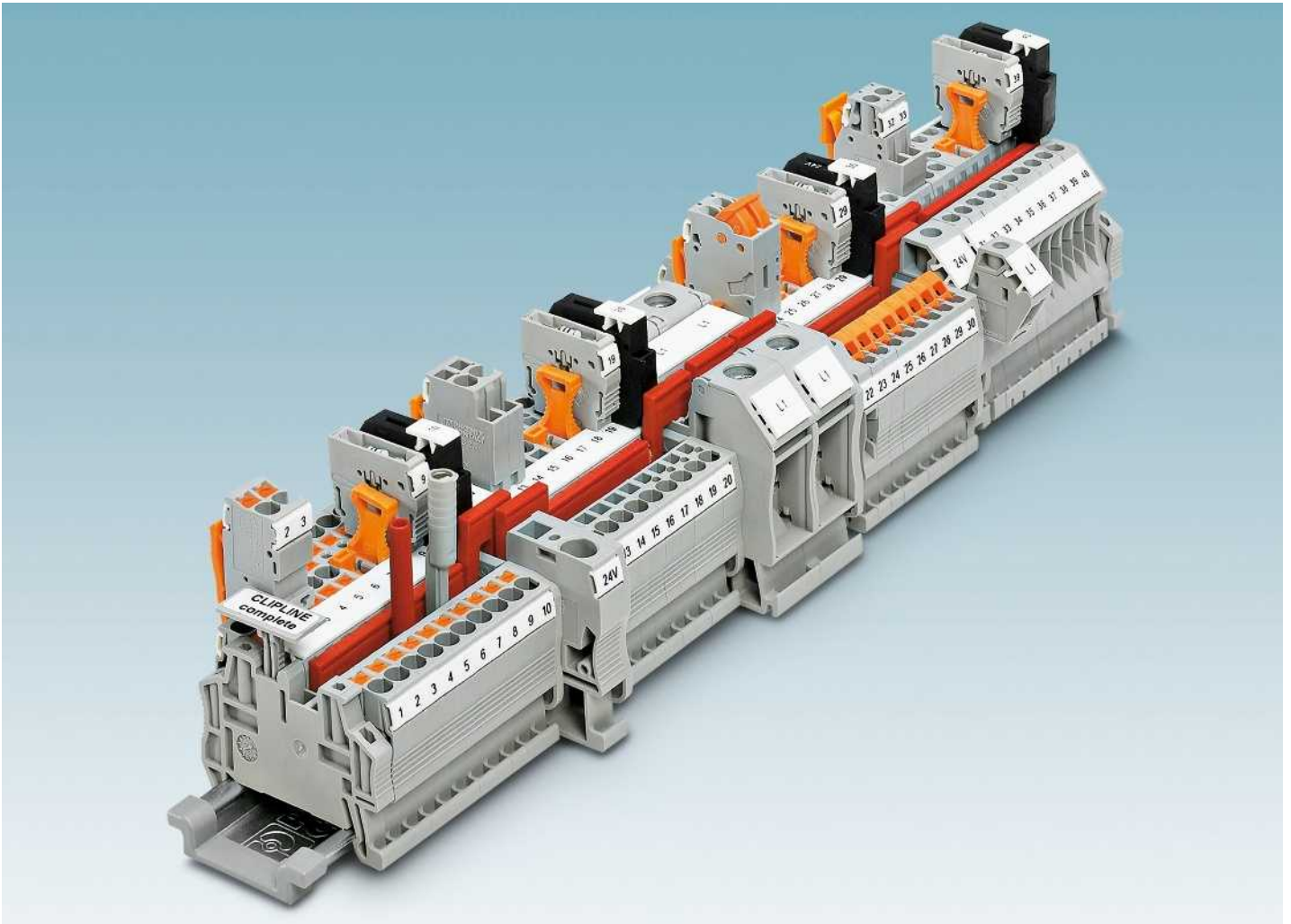
# Accessories

The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies.

Marking and test accessories are standardized and reduce logistics costs. In addition, all terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double function shaft. All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. The fuse plugs are designed for the use of cartridge fuse inserts. The patented component connector allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

## Product range overview

<b>Accessories</b>	<b>338</b>
Jumpers	340
Reducing bridges table	344
Test plugs and test adapters	346
Fuse plugs, isolating plugs, and component connectors	349
Marker carriers	352
Terminal block group marking	353
Warning labels	353



### Function shaft

All the terminal blocks in the CLIPLINE complete system have function shafts to allow fast and individual potential distribution through jumpers and simple testing.



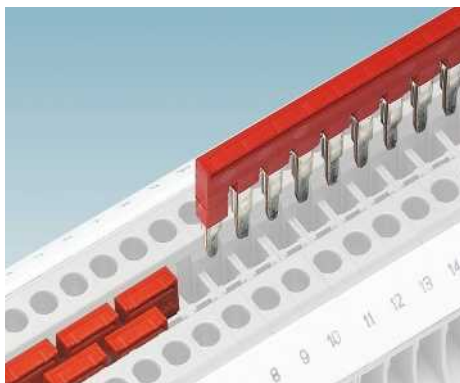
### Multifunctional disconnect zone

All the disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various functional inserts are available for use in the disconnect terminal blocks.

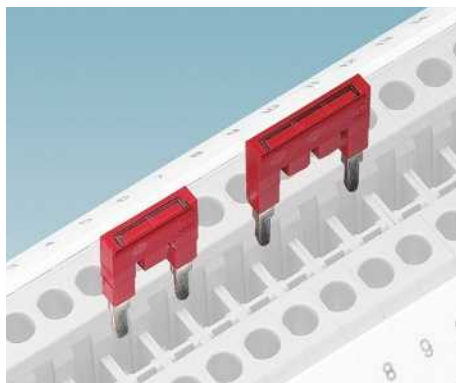


### Marking

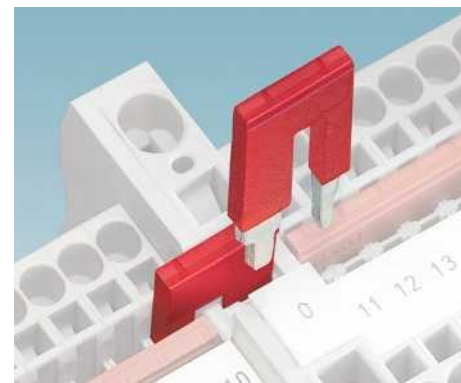
All terminal points in the terminal blocks of the CLIPLINE complete system can have large labels. Optional snap-on large marker carriers are available for group and terminal strip marking.



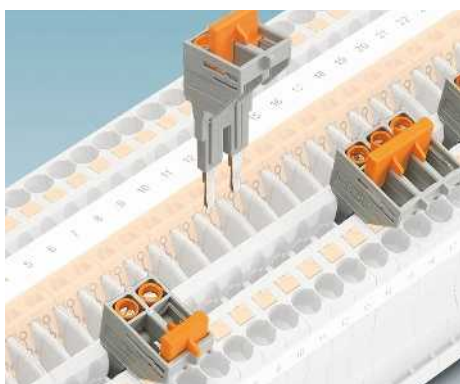
The bridge shafts are arranged in a line across all terminal blocks allowing for a combination of connection technologies. The 2- to 50-pos. jumpers allow all potential bridging tasks to be undertaken at speed.



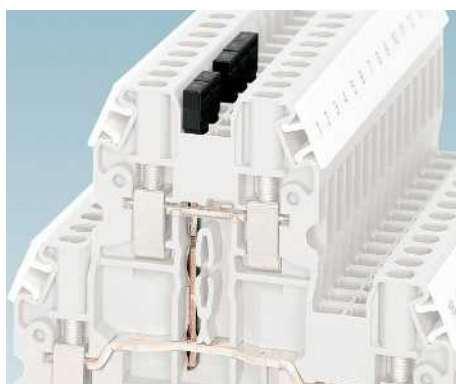
A jumping bridge is created by removing individual contact guides from the standard bridge. Two potentials can then be routed in parallel. The contact points can also be marked.



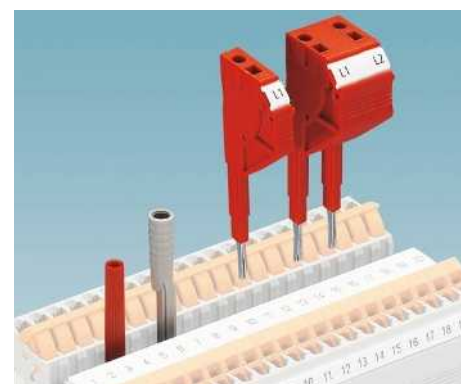
The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease, e.g. a UT 10 terminal block with a UT 2.5. Infeed blocks can be created at speed with the reducing bridge.



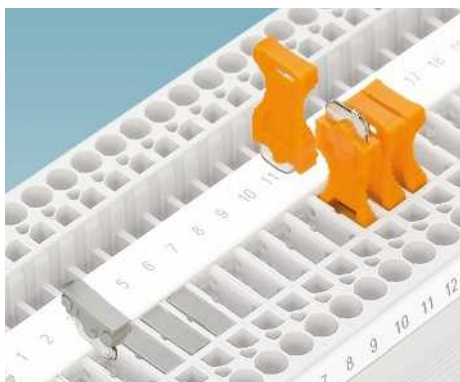
The plug-in SB-ME switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.



Vertical bridge to connect the upper and the lower levels of a double-level terminal block. The vertical bridge can be easily connected later through the function shaft of the upper level to the lower level.



A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.



The P-DI isolating plug can be removed to release the connection easily, and then "parked" back to front in the disconnect zone. The P-FIX contact metal seals the disconnect point with the same shape and cannot be removed again once fitted.



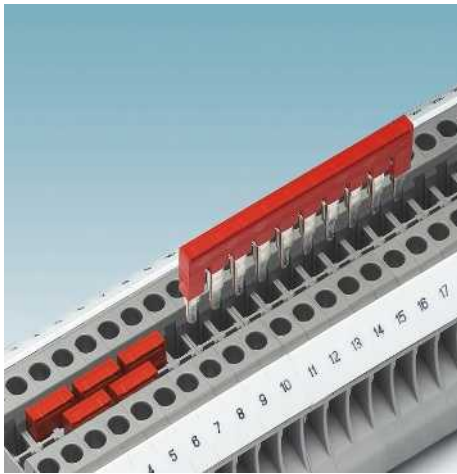
The patented component connector P-CO allows components to be quickly and reliably accommodated using spring-loaded contacts and to be connected without the risk of reverse polarity.



The fuse plugs P-FU are intended to accommodate cartridge fuse inserts. The fuse used can be checked visually via the LED.

## Accessories

### FBS... jumpers



#### Notes:

The current values for the FBS ... bridges can deviate when used in different terminal blocks. The precise values can be found in the accessories data for the respective terminal blocks.



Jumper, red

- To allow individual potential distribution, the terminal blocks of the CLIPLINE complete system have two bridge shafts
- The 2- to 50-pos. bridges can bridge up to 50 terminal blocks in one step in these bridge shafts

#### Designation of bridges

- The last digit in the bridge designation indicates the dimension of the terminal block width; an FBS ...-4 bridge can be used with CLIPLINE complete terminal blocks with a width of 4.2 mm, and an FBS ...-6 bridge can be used with terminal blocks with a width of 6.2 mm.

#### Vertical potential bridge

- Potential bridge to connect the upper and the lower levels of a double-level terminal block
- The bridge can be connected later through the bridge shaft of the upper level to the lower level
- The FBS-PV UT vertical bridge can be used with the UTTB 2,5, UTTB 4, PT 2,5-PE/3L, and PT 4-PE/3L
- The vertical bridge FBS-PV can be used with the STTBS 2,5, STTBS 4, PTTB 2,5, PTTB 4, PTTBS 2,5, QTTCB 1,5 and STTB 2,5/4P
- The vertical bridge FBS 1,5/S-PV can be used with the PTTB 1,5/S, PT 1,5/S-3L and PT 1,5/S-PE/L/L
- The FBS-PV PT 2,5-4L vertical bridge can be used with the PT 2,5-4L... terminal blocks

		Ordering data				
Description	No. of pos..	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
Jumper	2	FBS 2-3,5	17.5 A	3213014	50	
	3	FBS 3-3,5		3213027	50	
	4	FBS 4-3,5		3213030	50	
	5	FBS 5-3,5		3213043	50	
	10	FBS 10-3,5		3213056	50	
	20	FBS 20-3,5		3213069	50	
Jumper	50	FBS 50-3,5		3000706	10	
	Jumper	2	17.5 A	FBS 2-4	3030116	50
		3		FBS 3-4	3030129	50
		4		FBS 4-4	3030132	50
		5		FBS 5-4	3030145	50
		10		FBS 10-4	3030158	10
20		FBS 20-4		3030352	10	
Jumper	2	24 A	FBS 2-5	3030161	50	
	3		FBS 3-5	3030174	50	
	4		FBS 4-5	3030187	50	
	5		FBS 5-5	3030190	50	
	10		FBS 10-5	3030213	10	
	20		FBS 20-5	3030226	10	
Jumper	50	FBS 50-5		3038930	10	
	Jumper	2	32 A	FBS 2-6	3030336	50
		3		FBS 3-6	3030242	50
		4		FBS 4-6	3030255	50
		5		FBS 5-6	3030349	50
		10		FBS 10-6	3030271	10
20		FBS 20-6		3030365	10	
Jumper	50	FBS 50-6		3032224	10	
	Jumper	2	41 A	FBS 2-8	3030284	10
		3		FBS 3-8	3030297	10
		4		FBS 4-8	3030307	10
		5		FBS 5-8	3030310	10
		6		FBS 6-8	3032470	10
10		FBS 10-8		3030323	10	
Jumper	2	57 A	FBS 2-10	3005947	10	
	5		FBS 5-10	3005948	10	
Jumper	2	76 A	FBS 2-12	3005950	10	
Jumper	2	101 A	FBS 2-16	3005963	10	
Pre-assembled bridge, labeled	3-pos., positions 1, 3	41 A	FBS 1/3-8	3032363	10	
	4-pos., positions 1, 4		FBS 1/4-8	3032376	10	
	5-pos., positions 1, 3, 5		FBS 1/3/5-8	3032389	10	
	10-pos., positions 1, 4, 7, 10		FBS 1/4/7/10-8	3032402	10	
Vertical potential bridge, to connect the upper and lower level						
	1					
	1					
	1					
	1					

Covering hood, provides reliable shock protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges red

Accessories		
FBSC	3012325	50



Jumper, blue



Jumper, gray

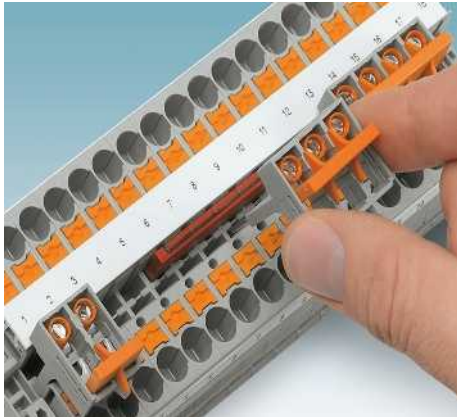


Vertical potential bridge to connect two levels of multi-level terminal blocks

Ordering data				Ordering data				Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.	Type	$I_{max}$	Order No.	Pcs. / Pkt.	Type	$I_{max}$	Order No.	Pcs. / Pkt.
FBS 2-3,5 BU	17.5 A	3213086	50	FBS 2-3,5 GY	17.5 A	3213153	50				
FBS 3-3,5 BU		3213099	50	FBS 3-3,5 GY		3213167	50				
FBS 4-3,5 BU		3213109	50	FBS 4-3,5 GY		3213180	50				
FBS 5-3,5 BU		3213112	50	FBS 5-3,5 GY		3213183	50				
FBS 10-3,5 BU		3213125	50	FBS 10-3,5 GY		3213196	50				
FBS 20-3,5 BU		3213138	50	FBS 20-3,5 GY		3213206	50				
FBS 50-3,5 BU		3000708	10	FBS 50-3,5 GY		3000707	10				
FBS 2-4 BU	17.5 A	3030117	50	FBS 2-4 GY	17.5 A	3030118	50				
FBS 3-4 BU		3030130	50	FBS 3-4 GY		3030131	50				
FBS 4-4 BU		3030133	50	FBS 4-4 GY		3030134	50				
FBS 5-4 BU		3030146	50	FBS 5-4 GY		3030147	50				
FBS 10-4 BU		3036851	10	FBS 10-4 GY		3030160	10				
FBS 20-4 BU		3030353	10	FBS 20-4 GY		3030354	10				
FBS 2-5 BU	24 A	3036877	50	FBS 2-5 GY	24 A	3038969	50				
FBS 3-5 BU		3036880	50	FBS 3-5 GY		3038972	50				
FBS 4-5 BU		3036893	50	FBS 4-5 GY		3038985	50				
FBS 5-5 BU		3036903	50	FBS 5-5 GY		3038998	50				
FBS 10-5 BU		3036916	10	FBS 10-5 GY		3039007	10				
FBS 20-5 BU		3036929	10	FBS 20-5 GY		3038671	10				
FBS 50-5 BU		3032114	10	FBS 50-5 GY		3032127	10				
FBS 2-6 BU	32 A	3036932	50	FBS 2-6 GY	32 A	3032237	50				
FBS 3-6 BU		3036945	50	FBS 3-6 GY		3032240	50				
FBS 4-6 BU		3036958	50	FBS 4-6 GY		3032279	50				
FBS 5-6 BU		3036961	50	FBS 5-6 GY		3032266	50				
FBS 10-6 BU		3032198	10	FBS 10-6 GY		3032253	10				
FBS 20-6 BU		3032208	10								
FBS 50-6 BU		3032211	10								
FBS 2-8 BU	41 A	3032567	10	FBS 2-8 GY	41 A	3032621	10				
FBS 3-8 BU		3032570	10	FBS 3-8 GY		3032622	10				
FBS 4-8 BU		3032583	10	FBS 4-8 GY		3032635	10				
FBS 5-8 BU		3032596	10	FBS 5-8 GY		3032648	10				
FBS 6-8 BU		3032677	10	FBS 6-8 GY		3032664	10				
FBS 10-8 BU		3032606	10	FBS 10-8 GY		3032651	10				
								FBS-PV PT 2,5-4L	10 A	3012318	50
								FBS-PV UT	22 A	3047358	50
								FBS-PV	32 A	3032185	50
								FBS 1,5/S-PV	16 A	3216263	10
Accessories				Accessories				Accessories			
FBS-C		3012325	50	FBS-C		3012325	50				

## Accessories

### FBSR(H) ... jumpers and SB-ME... switching jumpers



Notes:
The switching jumpers also snap into the function shaft and occupy both bridge shafts.
The FBSR ... bridges have a reduced current carrying capacity in comparison with the standard FBS ... bridges.



Jumper

#### FBSRH

– The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

#### SB-ME

– The plug-in SB-ME switching jumpers make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

#### Designation of bridges

– The last digit in the bridge designation indicates the dimension of the terminal block width; an FBSR ...-5 bridge can be used with CLIPLINE complete terminal blocks with a width of 5.2 mm, and an FBSR ...-6 bridge can be used with terminal blocks with a width of 6.2 mm.

		Ordering data			
Description	No. of pos..	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>Jumper</b>	2	FBSR 2-5	17.5 A	3033702	50
	3	FBSR 3-5		3001591	50
	4	FBSR 4-5		3001592	50
	5	FBSR 5-5		3001593	50
	10	FBSR 10-5		3033710	10
<b>Jumper</b>	2	FBSR 2-6	24 A	3033715	50
	3	FBSR 3-6		3001594	50
	4	FBSR 4-6		3001595	50
	5	FBSR 5-6		3001596	50
	10	FBSR 10-6		3033716	10
<b>Jumper</b>	2	FBSR 2-8	32 A	3033808	10
	3	FBSR 3-8		3001597	10
	4	FBSR 4-8		3000585	10
	5	FBSR 5-8		3033809	10
	10	FBSR 10-8		3001599	10
	16	FBSR 16-8		3033816	10
<b>Jumper, with extraction tool</b>	2				
	3				
	4				
<b>Switching jumper, plug-in</b>	2				
	3				
	4				
<b>Switching jumper, plug-in</b>	2				
	3				
	4				
<b>Switching jumper, plug-in</b>	2				
	3				
	4				
<b>Accessories</b>					
<b>Covering hood</b> , provides reliable shock protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges	red	<b>FBSC</b>		3012325	50
<b>Partition plate</b> , with storage option for switching jumpers	gray				



Jumper, with extraction tool



30 A, switching jumper, plug-in with additional latching



25 A switching jumper, plug-in

Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBSRH 2-8	32 A	3033802	10
FBSRH 3-8		3033803	10
FBSRH 4-8		3033804	10

Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SB-ME 2-8	30 A	3034468	10
SB-ME 3-8		3032800	10
SB-ME 4-8		3034484	10

Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SB-ME 2-6	25 A	3035755	10
SB-ME 3-6		3035756	10
SB-ME 4-6		3035757	10
SB-MER 2-8	25 A	3000587	10
SB-MER 3-8		3000588	10
SB-MER 4-8		3000589	10

Accessories

Type	Order No.	Pcs. / Pkt.
CARRIER 35-8	3034387	10

Accessories

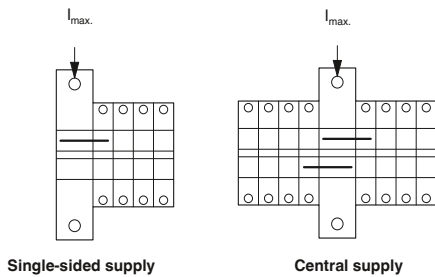
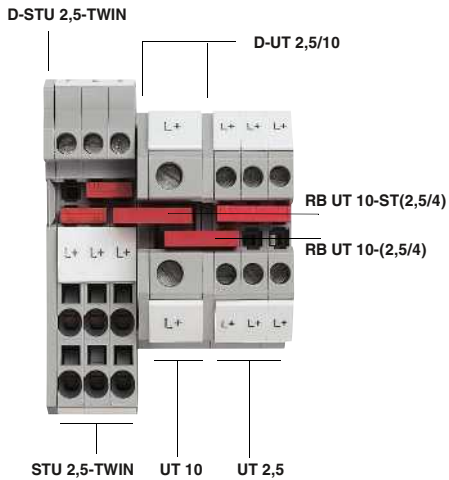
Type	Order No.	Pcs. / Pkt.
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Accessories

Type	Order No.	Pcs. / Pkt.
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## Accessories

### Example of a 10 mm<sup>2</sup> central supply with reducing bridges RB UT 10-(2,5/4) to 2.5 mm<sup>2</sup>



Reducing bridges enable the simple connection of standard terminal blocks with different nominal cross sections and connection technologies from the CLIPLINE complete system. Supplies with larger cross sections can be easily distributed among several smaller output terminal blocks. The connection technologies and the connected cross sections must be taken into consideration in order to select suitable reducing bridges. The appropriate reducing bridge and the maximum permissible bridge current for single-sided supply and central supply can be determined using the adjacent table.

### Note

When using reducing bridges, covers should be used which correspond with the supply direction. The auto correction function in CLIP PROJECT provides optimum support during this process.

### Reducing bridges with UT... standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Jumper
Terminal block	Cross section [mm <sup>2</sup> ]	Terminal block	Cross section [mm <sup>2</sup> ]	I <sub>max.</sub> [A]	I <sub>max.</sub> [A]	
UT 4	4	UT 2,5	2.5	24	24	FBS 2-5 3030161
UT 6	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	45	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
UT 10	10	UT 2,5	2.5	40	65	RB UT 10-(2,5/4) 3047060
		UT 4	4	45	65	
		PT 2,5	2.5	40	65	RB UT 10-ST(2,5/4) 3047086
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
UT 16	16	UT 2,5	2.5	40	80	RB UT 16-(2,5/4) 3047073
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 16-ST(2,5/4) 3047099
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 2,5	2.5	40	80	RB UT 35-(2,5/4) 3047277
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 35-ST(2,5/4) 3047280
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 16	16	90	90	RB 35-16 3032169

### Reducing bridges with RT standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Jumper
Terminal block	Cross section [mm <sup>2</sup> ]	Terminal block	Cross section [mm <sup>2</sup> ]	I <sub>max.</sub> [A]	I <sub>max.</sub> [A]	
RT 5	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	40	56	
		RT 3	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 2,5	2.5	40	56	
		PT 4	4	40	56	
		ST 2,5	2.5	40	56	
		ST 4	4	40	56	
		QTC 1,5	1.5	35	56	
RT 8	35	RT 3	2.5	40	56	RB ST 10-(2,5/4) 3030873
		UT 2,5	2.5	40	65	
		UT 4	4	45	65	



## Reducing bridges with PT... and ST... standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm <sup>2</sup> ]	Terminal block	Cross section [mm <sup>2</sup> ]	I <sub>max.</sub> [A]	I <sub>max.</sub> [A]	
ST 2,5 PT 2,5	2.5	PT 1,5/S	1.5	24	30	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	31	31	RB ST (2,5/4)-1,5 3038943
		QTC 1,5	1.5	31	31	FBS 2-5 3030161
ST 4 PT 4	4	PT 1,5/S	1.5	24	40	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	35	40	RB ST (2,5/4)-1,5 3038943
		PT 2,5	2.5	40	40	FBS 2-5 3030161
		ST 2,5	2.5	40	40	
		QTC 1,5	1.5	35	40	FBS 2-6 3030336
		QTC 2,5	2.5	40	40	
ST 6 PT 6	6	PT 1,5/S	1.5	24	48	RB ST 6-1,5/S 3213250
		PT 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
ST 10 PT 10	10	PT 1,5/S	1.5	24	48	RB ST 10-1,5/S 3213252
		PT 2,5	2.5	40	65	RB ST 10-(2,5/4) 3030873
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
QTC 2,5	2.5	40	65			
ST 16 PT 16	16	PT 1,5/S	1.5	24	48	RB ST 16-1,5/S 3213254
		PT 2,5	2.5	40	80	RB ST 16-(2,5/4) 3030886
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	PT 2,5	2.5	40	80	RB ST 35-(2,5/4) 3030899
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35	35	ST 16	16	90	90	RB 35-16 3032169
STS 4	4	STS 2,5	2.5	40	40	FBS 2-5 3030161
STS 6	6	STS 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		STS 4	4	45	56	

## Reducing bridges with QT... standard feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm <sup>2</sup> ]	Terminal block	Cross section [mm <sup>2</sup> ]	I <sub>max.</sub> [A]	I <sub>max.</sub> [A]	
QTC 2,5	2.5	QTC 1,5	1.5	31	31	FBS 2-5 3030161

# Terminal blocks - CLIPLINE complete

## Accessories

### PS... test plug

- Two-part test plug for individual connector color combination
- The test plugs are plugged in the function shaft of the terminal blocks from the CLIPLINE complete system or in the test connections provided for them.
- The modular test plug housings PS-...2,3MM can be used to put together individual test adapters



Description	Color	Ordering data			Ordering data		
		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
<b>Modular test plug housing</b> , for MPS metal part, can be marked with ZB 5							
5.2 mm width	red	PS-5/2,3MM RD	3038723	10			
Width 6.2 mm	red	PS-6/2,3MM RD	3038736	10			
Width 8.2 mm	red	PS-8/2,3MM RD	3048564	10			
<b>Insulating sleeve</b> , for MPS metal part							
	white				MPS-IH WH	0201663	10
	red				MPS-IH RD	0201676	10
	blue				MPS-IH BU	0201689	10
	yellow				MPS-IH YE	0201692	10
	green				MPS-IH GN	0201702	10
	gray				MPS-IH GY	0201728	10
	black				MPS-IH BK	0201731	10
<b>Test plug metal part</b> , 2.3 mm Ø	silver	MPS-MT	0201744	10	MPS-MT	0201744	10
4 mm Ø	silver	MPS-MT/ 4MM	3048577	10	MPS-MT/ 4MM	3048577	10

### PS... modular test plugs and DP PS... spacer plates

- The test plugs make contact in the function shaft of terminal blocks from the CLIPLINE complete system
- Test adapters can be assembled individually with the PS... modular test plugs and DP PS... spacer plates



Modular test plug



Spacer plates

Description	Color	Ordering data			Ordering data		
		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
<b>Individual test plug</b> , 4.2 mm wide, can be labeled with ZBF 4, UC-TMF 4 und UCT-TMF 4							
	red	PS-4/E	3036709	10			
<b>Modular test plug</b> , for the individual assembly of test pin strips							
4.2 mm, can be labeled with ZBF 4, UC-TMF 4, and UCT-TMF 4	red	PS-4	3030970	10	DP PS-4	3036712	10
5.2 mm, can be labeled with ZBF 5, UC-TMF 5, and UCT-TMF 5	red	PS-5	3030983	10	DP PS-5	3036725	10
6.2 mm, can be labeled with ZBF 6, UC-TMF 6, and UCT-TMF 6	red	PS-6	3030996	10	DP PS-6	3036738	10
8.2 mm, can be labeled with ZBF 8, UC-TMF 8, and UCT-TMF 8	red	PS-8	3031005	10	DP PS-8	3036741	10

**PAI... test adapter**

- Secure contact for test plugs with a 4 mm diameter in the function shaft
- The small external diameter of the test socket means that touch-proof safety plugs can also be used

**Notes:**

<sup>1)</sup> Touch-proof against unintentional direct contact according to DIN EN 50274 when plugged in.



4 mm test adapter, for terminal blocks with 4.2 mm pitch

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PAI-4	3030925	10



4 mm test adapter, for terminal blocks with 5.2, 6.2, and 8.2 mm pitch

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PAI-4-N GY	3032871	10

Description	Color
Test adapter, 4 mm test socket hole <sup>1)</sup>	gray

**PAI-4-FIX... snap-on test adapter**

- Test adapter for accommodating safety test plugs with a 4 mm diameter
- Makes contact and latches securely at any point in the function shaft

**Notes:**

Touch-proof against unintentional direct contact according to DIN EN 50274 when plugged in.



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PAI-4-FIX-5/6 OG	3035974	10
PAI-4-FIX-5/6 YE	3035977	10
PAI-4-FIX-5/6 GN	3035978	10
PAI-4-FIX-5/6 VT	3035979	10
PAI-4-FIX-5/6 BK	3035980	10
PAI-4-FIX-5/6 BU	3035975	10
PAI-4-FIX-5/6 RD	3035976	10
PAI-4-FIX-5/6 GY	3035982	10
PAI-4-FIX-5/6 BN	3035981	10



4 mm test adapter, for terminal blocks with 8.2 mm pitch

**Ordering data**

Type	Order No.	Pcs. / Pkt.
PAI-4-FIX OG	3034455	10
PAI-4-FIX YE	3032745	10
PAI-4-FIX GN	3032758	10
PAI-4-FIX VT	3032761	10
PAI-4-FIX BK	3032774	10
PAI-4-FIX BU	3032729	10
PAI-4-FIX RD	3032732	10
PAI-4-FIX GY	3032790	10
PAI-4-FIX BN	3032787	10

Description	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	
	orange
	yellow
	green
	violet
	black
	blue
	red
	gray
	brown

# Terminal blocks - CLIPLINE complete

## Accessories

### PAIS ... test plug

- Angled test plug for accommodating safety test plugs with a 4 mm diameter
- Makes contact and latches securely at any point in the function shaft

**Notes:**

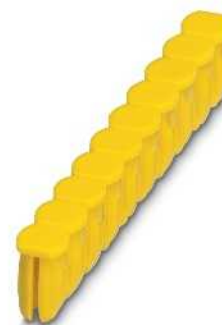
1) Touch-proof against unintentional direct contact according to DIN EN 50274 when plugged in.



Description	Color	Ordering data		
		Type	Order No.	Pcs. / Pkt.
<b>Test plug<sup>1)</sup></b>				
	gray	PAIS-4-FIX GY	<a href="#">3032791</a>	10
	black	PAIS-4-FIX BK	<a href="#">3032792</a>	10
	red	PAIS-4-FIX RD	<a href="#">3032793</a>	10

### CEC ... cover for conductor shaft

- Filler plug for the cover for the conductor shaft
- Can be used with PT 2,5 push-in connection terminal blocks and ST 2,5 spring-cage connection terminal blocks



Description	Color	Ordering data		
		Type	Order No.	Pcs. / Pkt.
<b>Cover, for conductor shaft, 10-pos.</b>				
	yellow	CEC 2,5	<a href="#">3062757</a>	50

## P-FU ... fuse plugs

- Large-scale marking option
- Versions with bipolar defect indicator
- Test contacts on both sides of the fuse

## Notes:

<sup>1)</sup> If the fuse is faulty, the downstream circuit is not off load.

<sup>2)</sup> For max. power dissipation, see page 616.



5.2 mm fuse plug, for 5 x 20 mm cartridge fuses



8.2 mm fuse plug, for 6.3 x 32 mm cartridge fuses



Technical data		
Width	Length	Height
5.2	23.5	45.5
Rated data		
Maximum load current	6.3 <sup>2)</sup>	
General data		
Insulating material	PA	
Inflammability class according to UL 94	V0	

Ordering data		
Type	Order No.	Pcs. / Pkt.
P-FU 5X20-5	3209235	10
P-FU 5X20 LED 24-5	3209248	10
P-FU 5X20 LED 60-5	3209251	10
P-FU 5X20 LED 250-5	3209264	10
P-FU 5X20	3036806	10
P-FU 5X20 LED 24	3036819	10
P-FU 5X20 LED 60	3036822	10
P-FU 5X20 LA 250	3036835	10

Accessories
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)



Technical data		
Width	Length	Height
8.2	40	27
Rated data		
Maximum load current	10 <sup>2)</sup>	
General data		
Insulating material	PA	
Inflammability class according to UL 94	V0	

Ordering data		
Type	Order No.	Pcs. / Pkt.
P-FU 6,3X32	3046498	10
P-FU 6,3X32 LED 24	3046508	10
P-FU 6,3X32 LED 60	3046511	10
P-FU 6,3X32 LA 250	3046524	10

Accessories
UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 5)

Dimensions	[mm]
Width	5.2
Length	23.5
Height	45.5

Rated data	[A]
Maximum load current	6.3 <sup>2)</sup>

General data	
Insulating material	PA
Inflammability class according to UL 94	V0

Description	Color
Fuse plug, width 5.2 mm <sup>1)</sup>	black
With LED for 12-30 V DC, 0.35-0.95 mA	black
for 30-60 V AC/DC, 0.36-0.95 mA	black
for 110-250 V AC/DC, 0.4-0.95 mA	black
Fuse plug, width 6.2 mm <sup>2)</sup>	black
With LED for 12-30 V DC, 0.31-0.95 mA	black
for 30-60 V AC/DC, 0.40-0.86 mA	black
for 110-250 V AC/DC, 0.41-0.96 mA	black
Fuse plug, width 8.2 mm	black
With LED for 12-30 V DC, 0.31-0.95 mA	black
for 30-60 V AC/DC, 0.40-0.86 mA	black
for 110-250 V AC/DC, 0.41-0.96 mA	black

Center groove marking
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)

## Accessories

### S-MT switching lock



- The optional switching lock snaps in and effectively prevents accidental switching
- Can be used in all ...-MT knife disconnect terminal blocks from the CLIPLINE complete system



Switching lock

<b>Dimensions</b>	[mm]
<b>General data</b>	
Insulating material	PA
Inflammability class according to UL 94	V2

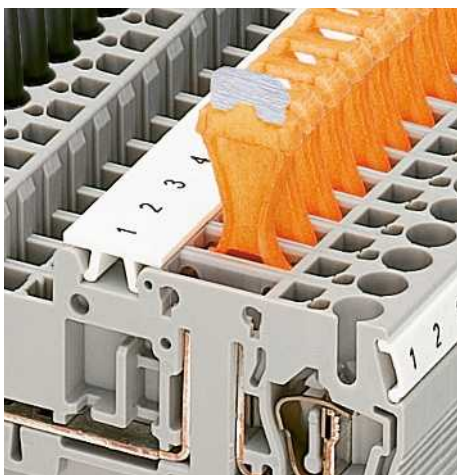
Technical data		
Width	Length	Height
3.5	10.5	23.1

Description	Color
Switching lock, plug-in <sup>1)</sup>	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
S-MT	3247954	50

### P-DI isolating plug

<b>Notes:</b>
<sup>1)</sup> Observe max. load current.



- The P-DI isolating plug can be removed to release the connection easily and then "parked" back to front in the disconnect zone
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system



Function plug for universal disconnect zone

<b>Dimensions</b>	[mm]
<b>Rated data</b>	
Maximum load current	[A]
<b>General data</b>	
Insulating material	PA
Inflammability class according to UL 94	V2

Technical data		
Width	Length	Height
3.5	10.8	23.1

Description	Color
Isolating plug <sup>1)</sup>	orange

Ordering data		
Type	Order No.	Pcs. / Pkt.
P-DI	3036783	50

## Through connector P-FIX



- The P-FIX contact metal seals the disconnect point with the same shape and cannot be removed again once fitted
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system

## Notes:

1) Observe max. load current.

## Dimensions

[mm]

## Rated data

Maximum load current [A]

## General data

Insulating material  
Inflammability class according to UL 94

Description

Color

Feed-through connector<sup>1)</sup>

gray



Feed-through connector

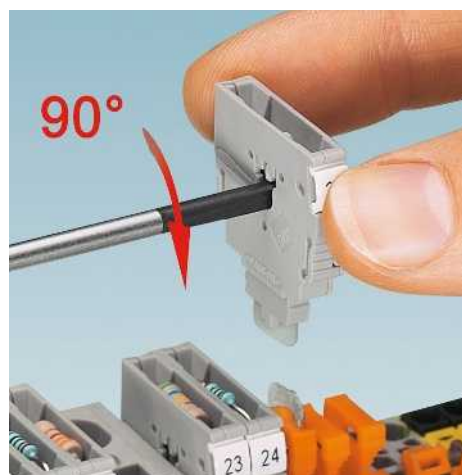
## Technical data

Width	Length	Height
4	10.5	-
20		
PA		
V0		

## Ordering data

Type	Order No.	Pcs. / Pkt.
P-FIX	3038956	50

## Component connectors P-CO ...



- The patented component connector P-CO can quickly and reliably accommodate components using spring-loaded contacts
- A coder recess ensures protection against incorrect polarity
- For assembly, the spring connections are opened or closed inside the connector with just one turn of the standard screwdriver
- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system

## Notes:

1) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.

2) Dependent on the power dissipation of the components. Max. 1 W with single arrangement.

3) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A

## Dimensions

[mm]

## Rated data

Maximum load current [A]

## General data

Insulating material  
Inflammability class according to UL 94

Description

Color

Component connector, labeled with ZBF 5 or UC-TMF 5<sup>1)</sup>

gray

Component connector, with integrated 1N 4007 diode, conducting direction from right to left, direction viewed: Open terminal side<sup>2)</sup>

gray

Conducting from left to right, direction viewed: Open terminal side

gray



Component connector

## Technical data

Width	Length	Height
5.2	24.2	33.3
6 <sup>2)</sup>		
PA		
V0		

## Ordering data

Type	Order No.	Pcs. / Pkt.
P-CO	3036796	10
P-CO 1N4007/R-L	3032457	10
P-CO 1N4007/L-R	3032460	10

## Accessories

### Marker carrier for STP ... multi-level terminal blocks



#### STP ...

- The marking areas of wired multiple-level terminal blocks are increased in size using the marker carriers
- Depending on version, the marker carriers are placed in the receivers on the upper terminal block level

#### STP ...-ZB

- The marker carriers can for example snap into the center marking groove of ST spring-cage terminal blocks and double the marking area; see figure below

#### CARRIER-TM 300

- Can be snapped into all terminal blocks in the CLIPLINE complete system that have a lateral flat marker groove
- For accommodating ZB ..., UC-TM ... or UCT-TM ... terminal markers which increases the marking area

#### CARRIER-TMD 300

- Double-row snap-in marker adapter for accommodating two ZB ... or UC-TM ... and UCT-TM ... terminal markers which doubles the marking area



Marker carriers

#### General data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 100 [°C]
Components	free from silicone and halogen

#### Technical data

Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 100 [°C]
Components	free from silicone and halogen

Description	Color
-------------	-------

**Double marker carrier**, can be snapped into push-in double-level terminal blocks PTTB 1,5/S, can be labeled with ZB 3,5 or ZBF 3,5

gray

**Triple marker carrier**, can be snapped into the push-in three-level terminal block PT 1,5/S-3..., can be labeled with ZB 3,5 or ZBF 3,5

gray

**Double marker carrier**, can be snapped into the double-level terminal blocks STTB 1,5, PTTB 1,5, can be labeled with UC-TM 4, ZB 4 or UC-TMF 4, ZBF 4

gray

**Double marker carrier**, can be snapped into STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 double-level terminal blocks, can be labeled with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5

gray

**Three-compartment marker carrier**, can be snapped into ST 2,5-3... and PT 2,5-3... three-level terminal blocks, can be labeled with UC-TMF 5 and ZBF 5 or ...TM 5 and ZB 5

gray

**Double marker carrier**, snaps into double-level fast connection terminal blocks, QTTCB ... and QTTCBS, can be labeled with ZB 5 and ZBF 5

gray

**Double marker carrier**, snaps into all terminal blocks with a width of 4.2 mm and a Zack marker strip center groove, can be labeled with ZB 4 or ZBF 4

gray

**Double marker carrier**, can be snapped into all terminal blocks with a width of 5.2 mm or above and a Zack marker strip center groove, can be marked with ZB 5 or ZBF 5

gray

**Marker adapter**, 300 mm long, can be snapped into the lateral groove on terminal blocks, designed to accommodate ZB ... or UC-TM ...

gray

**Marker adapter, double row**, 300 mm long, can be snapped into the center groove on terminal blocks, designed to accommodate two ZB ... or UC-TM ...

gray

**Marker adapter**, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block

gray

#### Ordering data

Type	Order No.	Pcs. / Pkt.
STP 3,5-2	0830131	100
STP 3,5-3	0830132	100
STP 4-2	0810575	100
STP 5-2	0800967	100
STP 5-3	0810562	100
STP 5-2/S	0800970	100
STP 4-2-ZB	3038613	100
STP 5-2-ZB	3037643	100
CARRIER-TM 300	0828282	25
CARRIER-TMD 300	0828693	25
CARRIER-TMH 300	0830670	25



**GBS ... terminal block group marking**

- Space-saving group marking directly on the terminal block
- Fits all terminal blocks with tall center marker groove
- Large-surface marking with labels or manually using B-STIFT or X-PEN



3.5 mm and 5.2 mm pitch



29 mm pitch

General data	
Material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 120 [°C]
Components	free from silicone and halogen
Description	Color
<b>Group marking label</b> , can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R label or manually with B-STIFT or X-PEN, in the foot part with ZB 5, UC-TM 5	gray
	gray
<b>Group marking label</b> , can be snapped into terminal center, can be labeled with ESL 26 x 6 or EMT (25 x 6) R insert strips, in foot part with Zack marker strip ZB, length: 29 mm	gray

Technical data		
Ordering data		
Type	Order No.	Pcs. / Pkt.
GBS 5-25X5	0829126	100
GBS 5-25X12	0810588	100

Technical data		
Ordering data		
Type	Order No.	Pcs. / Pkt.
GBS-ZB/26X6	0809298	50

**Warning labels WS...**



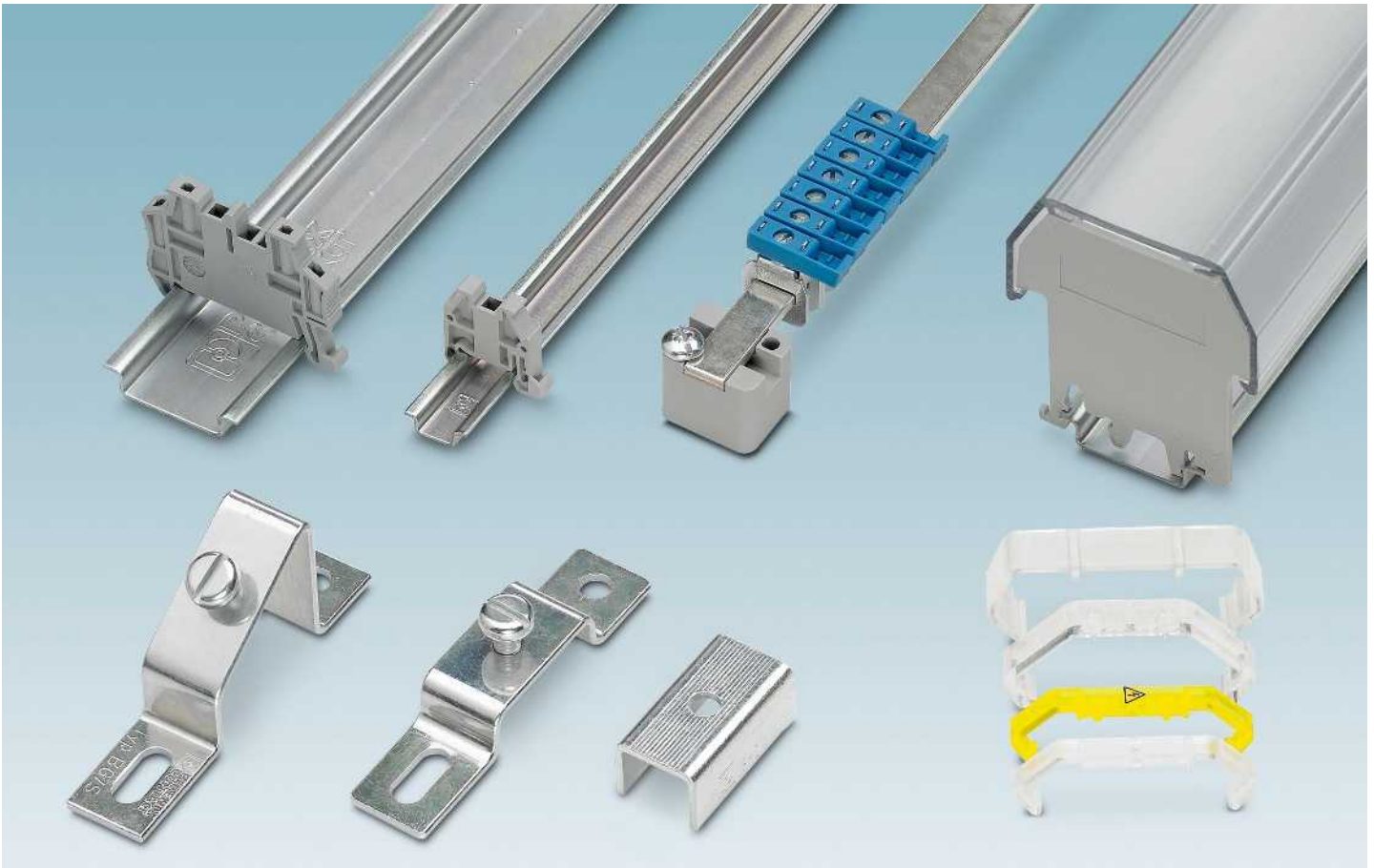
- Warning labels and warning covers serve to cover and identify mains terminal blocks
- This prevents accidental actuation of the terminal points
- The warning labels snap into the screw shafts of the relevant terminal
- Can be isolated lengthwise and crosswise

General data	
Material	PA
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
Description	Color
<b>Warning label</b> , for UT... series	
5.2 mm wide	yellow
6.2 mm wide	yellow
8.2 mm wide	yellow
10.2 mm wide	yellow
12 mm wide	yellow
16 mm wide	yellow
<b>Warning cover</b> , for ST... series	
4.2 mm wide	yellow
5.2 mm wide	yellow
6.2 mm wide	yellow
8.2 mm wide	yellow
10.2 mm wide	yellow



Warning labels for terminals from the UT ... and ST ... series

Technical data		
Ordering data		
Type	Order No.	Pcs. / Pkt.
WS UT 2,5	3047923	10
WS UT 4	3047332	10
WS UT 6	3047345	10
WS UT 10	3047361	10
WS UT 16	3047374	10
WS UT 35	3047387	10
WST 1,5	3030958	50
WST 2,5	3030941	50
WST 4	3030954	50
WST 6	3030967	10
WST 10/35	3030006	25



You can save time when securing electrical connections and components in switchgear by using suitable mounting devices. Make the best use of space in the control cabinet by cleverly combining mounting accessories. The DIN rails form the basis of the control cabinet inner workings. They ensure that the DIN rail-mountable components are held securely. Phoenix Contact provides a wide range of standardized rails made of various materials. The rails can be ordered cut to length and with pre-drilled holes. Cable clamps and the corresponding DIN rails complete the range.

End brackets are used for a secure lateral hold on the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must be either fastened using screws or simply snapped onto the DIN rails as in the case of the CLIPFIX series. Marker carriers can be snapped onto the end brackets. This provides a good overview and creates a visual distinction between individual terminal strip blocks.

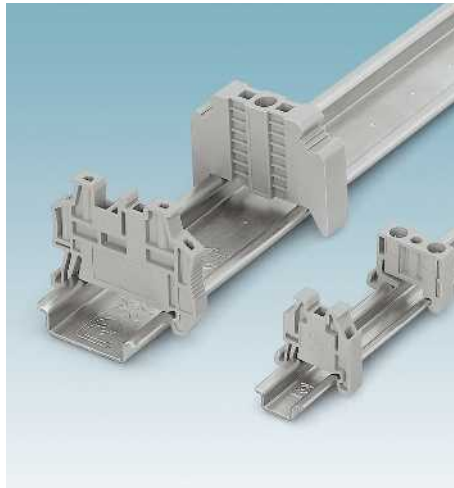
There is a wide range of cover profiles to ensure the necessary level of safety. The wide choice of cable ducts provides users with flexible and straightforward cable installation solutions that simply involve breaking out the lateral segments without any need for tools. The mounting material is rounded off by installation materials that include tap-off terminal blocks, Europe connectors, and junction box connectors.

Detailed information can be found in Catalog 5 or at [phoenixcontact.net/products](http://phoenixcontact.net/products)

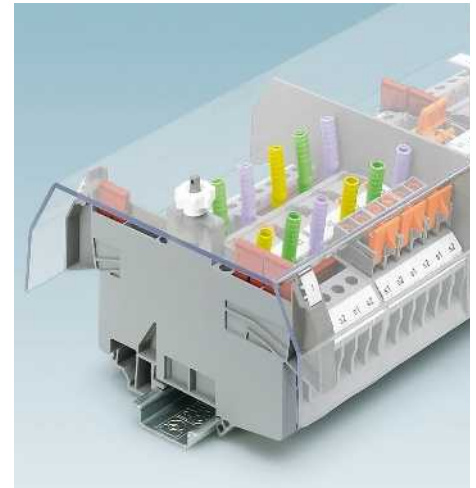
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For control cabinet engineering applications, the key features of the NS 15 and NS 35 DIN rails are their high degree of dimensional accuracy and double surface tempering. They are galvanized and feature thick layer passivation, which makes them RoHS compliant.



Used in conjunction with the NS 15 and NS 35 DIN rails, the end brackets ensure that the components remain securely attached to the rails. A comprehensive range of end brackets is available for specific applications.



Cover profiles are used to cover live parts and also provide protection against accidental actuation of terminal points or disconnect terminal blocks.



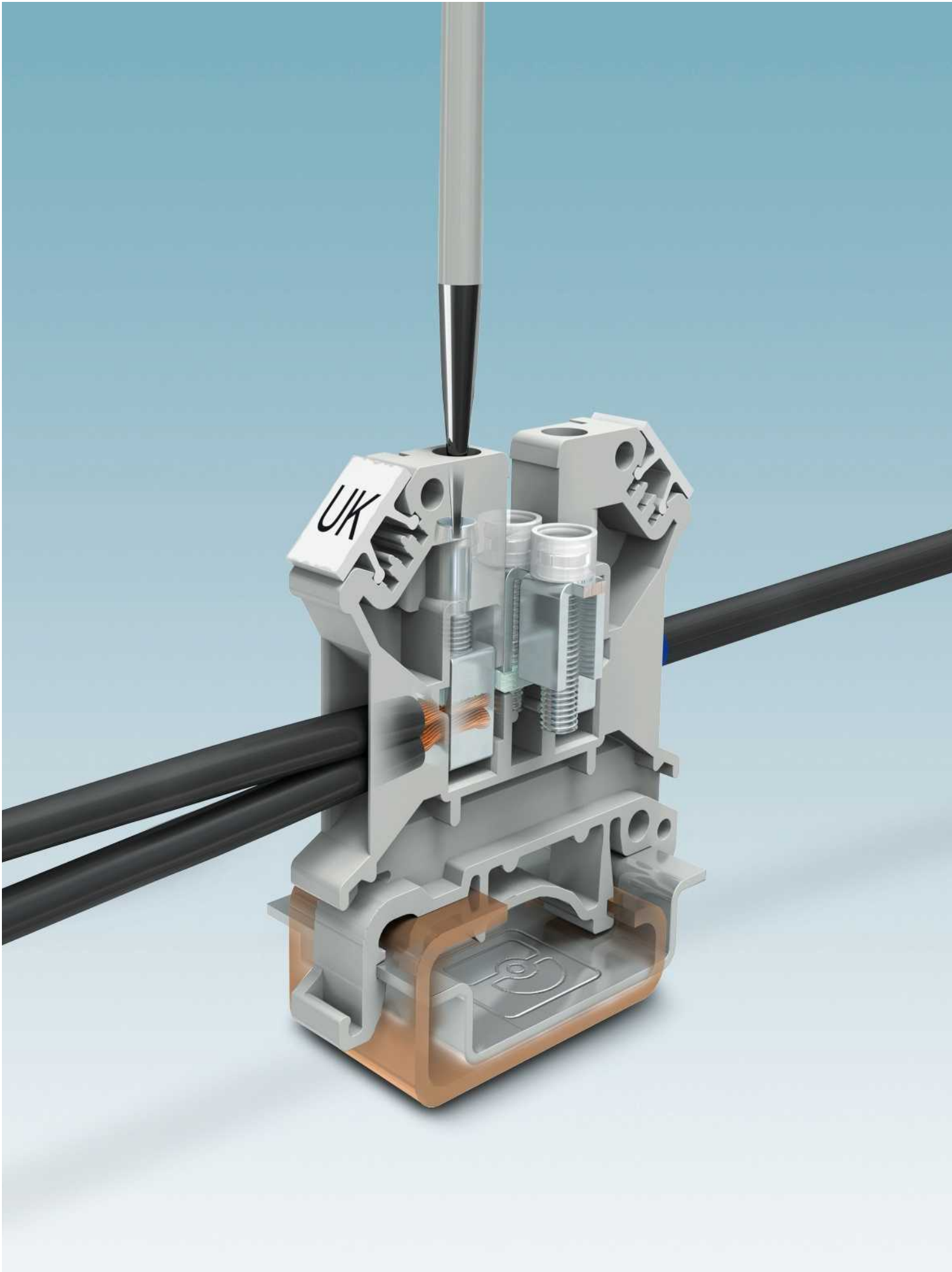
Phoenix Contact offers various connecting terminal blocks, branch terminal blocks and power terminal blocks for busbars in switchgear and control gear.



The wide range of Europe terminal blocks includes terminal blocks with and without wire protection. The individual positions can be separated easily by twisting without the need for tools. The push-in connection technology of the junction box connector series means that solid conductors or conductors with ferrules can be inserted into the terminal point with ease. Low insertion forces and high pull-out forces ensure a secure connection.



The rail-mountable socket in a standard format is as much a must in modern switchgear as in simple distributors. The socket is mounted in an exposed position to allow assembly tools, service devices, and other electrical equipment to be installed conveniently.



# UK universal terminal blocks, SK ... shield terminals

## Universal terminal blocks

Screw connections continue to dominate industrial connection technology. No other connection technology can achieve such high contact forces in a confined space. Our UK universal terminal block series, which has been accepted throughout the world, is named after the universal snap-on foot for DIN and G-profile rails, as well as the multi-conductor connection. Another feature of this terminal block series is the flexible screw-type bridge system with a high current carrying capacity.

In addition to standard terminal blocks, the comprehensive terminal block range in this series also includes a wide range of special terminal blocks. These include, for example, terminal blocks with slip-on connections, terminal blocks for use in high temperatures, and terminal block series for energy supply and building installation.

In addition to numerous approvals, all terminal blocks in the base series are certified according to the ATEX standard and can be used in Ex e potentially explosive areas.

## Shield terminals

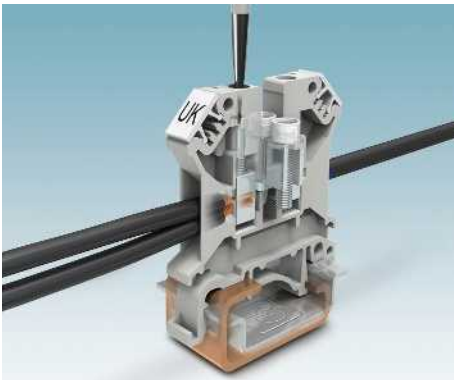
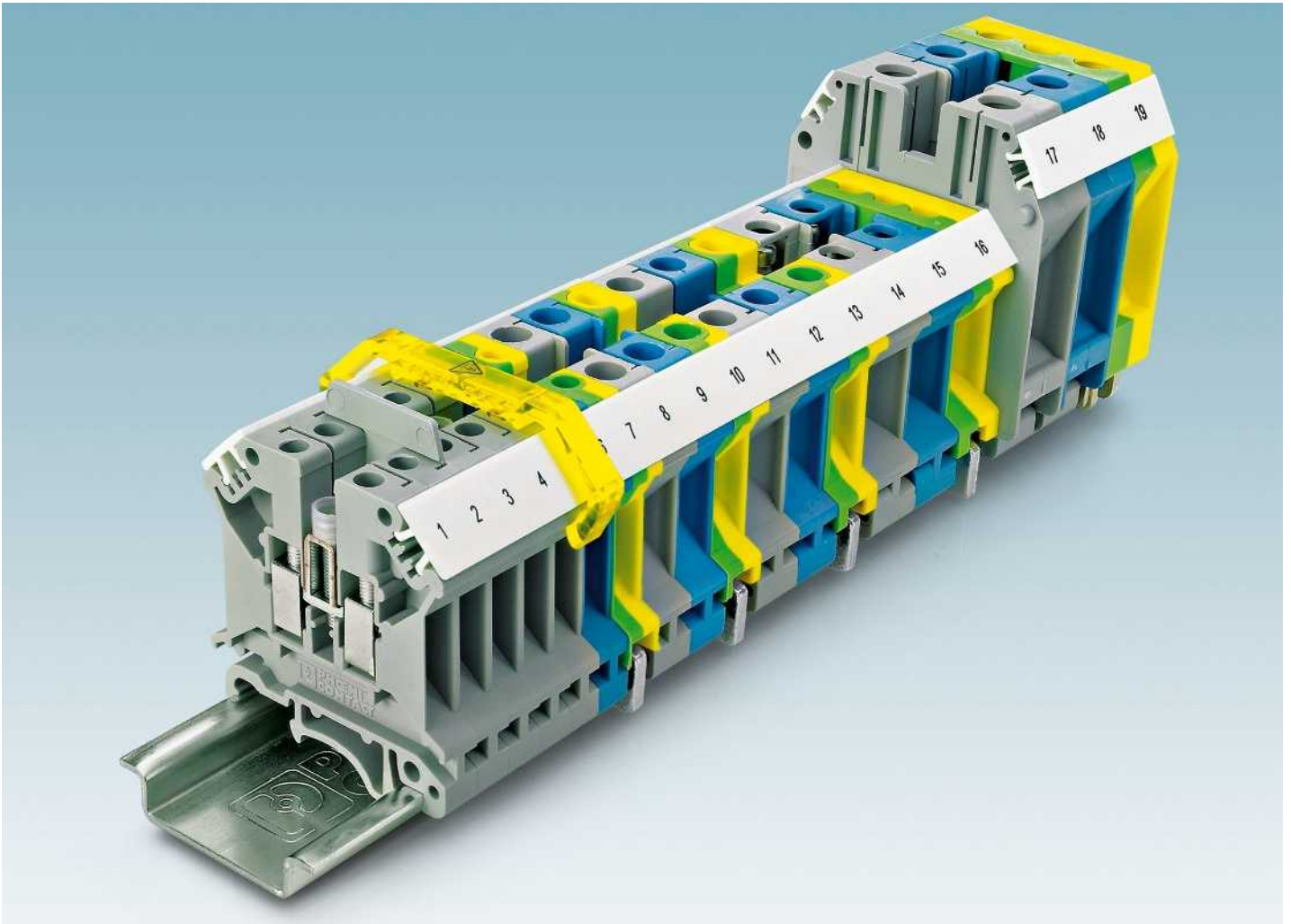
Shield terminals ensure error-free operation of your system. They provide optimum wiring convenience, are suitable for all standard cable shielding, and support EMC-compliant wiring thanks to their large surfaces and low-impedance and low-resistance contact transitions.

## Product range overview

<b>UK universal terminal blocks</b>	<b>358</b>
Feed-through terminal blocks and ground terminals	<b>360</b>
Feed-through terminal blocks and ground terminals with 3 and 4 connections	<b>368</b>
Double-level and ground double-level terminals	<b>374</b>
Cross-reference list: bridges	<b>378</b>
Three-level and three-conductor initiator terminal blocks	<b>382</b>
Four-conductor initiator and actuator terminal blocks	<b>388</b>
Three and four-level terminal blocks	<b>390</b>
Fuse terminal blocks	<b>392</b>
Lever-type fuse terminal blocks for photovoltaics	<b>402</b>
Disconnect terminal blocks	<b>410</b>
Knife disconnect terminal blocks	<b>416</b>
Slide-type terminal blocks, test disconnect terminal blocks	<b>421</b>
Double-level diode terminal blocks, component terminal blocks, LED terminal blocks	<b>432</b>
Ground disconnect terminal block	<b>437</b>
<b>UK universal terminal blocks with special connection</b>	<b>438</b>
<b>UIK installation terminal blocks</b>	<b>445</b>
<b>SSK high-temperature terminal blocks</b>	<b>451</b>
<b>USST spring-assisted screw terminal blocks</b>	<b>455</b>
<b>MT and MBK mini screw terminal blocks</b>	<b>463</b>
<b>OTTA, RBO, and RSC bolt connection terminal blocks</b>	<b>473</b>
<b>G and UDB device terminal blocks</b>	<b>499</b>
<b>Accessories</b>	<b>504</b>
<b>SK ... shield terminals</b>	<b>512</b>

## Terminal blocks

### UK universal terminal blocks



#### Universal and zero-maintenance

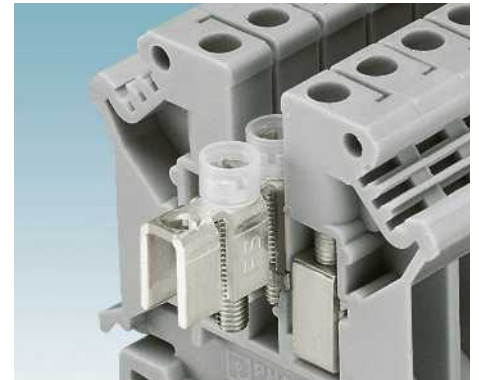
The UK screw connection is characterized by three main features.

- Global standard
- Multiple conductor connection
- Zero maintenance thanks to Reakdyn principle.



#### Universal housing foot

The universal foot allows the terminal blocks to be easily snapped onto two popular DIN rail profiles, the NS 35 DIN rail or the NS 32 DIN rail with G shape.

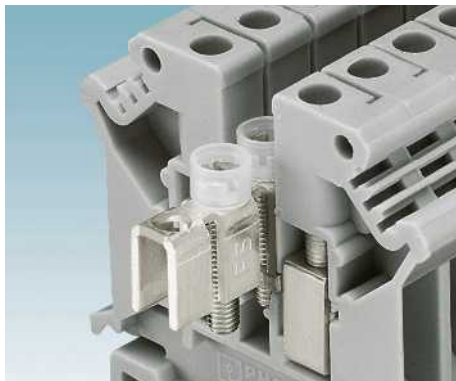


#### Screw-type bridge system

The area of application for terminal blocks is greatly determined by the bridge accessories. A wide choice of bridges is available for the UK series, enabling all switching tasks to be performed with ease.



If used with the corresponding fixed bridges, the STL... step brackets allow terminal blocks with different nominal cross sections to be connected. This allows power blocks to be created with ease.



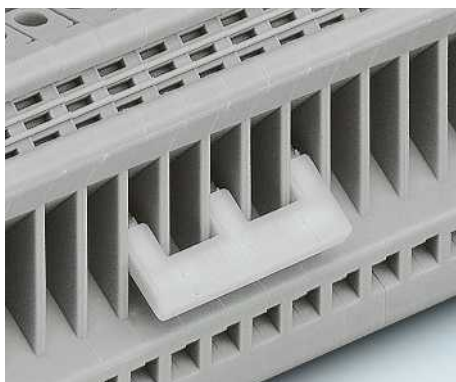
Any number of positions can be easily disconnected from a 10-pos. strip of the fixed bridge with isolation cap FBI ..., placed in the bridge shaft and screwed down.



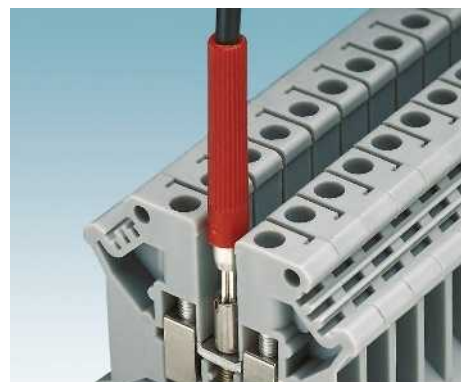
The L bridges LB ... can be used to guide two different potentials over up to 100 terminal blocks in the bridge shaft. Isolated and color-coded contact screws clearly indicate the relevant potential.



The bridge bar isolator switching jumpers ISSBI ... enable switchable cross connections if used with bridge bar isolator IS .... Here the screw has the function of a live switching element.



The EB ... isolated insertion bridges are simply clamped down at the connection points with or without conductors. The bridges can be assembled as required for the number of positions. Individual forks are removed for jumping bridging.



PSB ... test sockets which can be screwed into the bridge shaft enable reliable test connections for 2.3 mm and 4 mm test plugs. The 2.3 mm MPS ... test plug makes direct contact in the bridge shaft when using terminal blocks with 5.2 and 6.2 mm overall widths.



Large and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UK series can be marked separately.



The TS ... separating disk is used to electrically and visually separate two neighboring bridges. A separating disk should be placed on both sides of the bridge in order for the terminal blocks to retain their complete nominal voltage.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.

# Terminal blocks

## UK universal terminal blocks

### UK ... feed-through terminal blocks

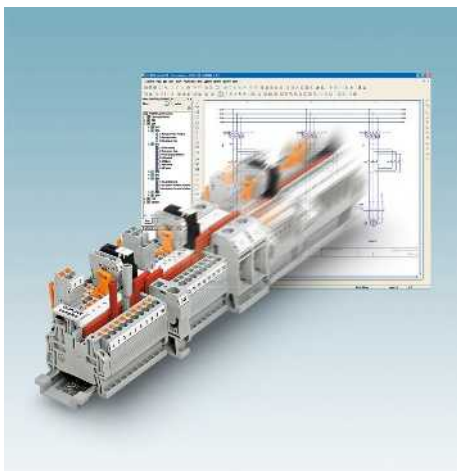


- The UK series of universal screw terminal blocks possesses typical features which are crucial to practical use
- Universal foot which can be used on DIN rails NS 35... and NS 32...
- Potential distribution alternatively via fixed bridges in the terminal center or insertion bridges in the clamping space.
- High bridge currents

### High-current terminal blocks up to 240 mm<sup>2</sup>

The UKH high-current terminal blocks up to 240 mm<sup>2</sup> can be found in the section on UT... screw connection terminal blocks

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



<b>Notes:</b>
For more insertion bridges, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>
1) For information on installation and using accessories for Ex applications, see page 602.



1.5 (1.5) mm<sup>2</sup>, 17.5 A, feed-through terminal block



Ex: Ex  
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

<b>Dimensions</b>			
		[mm]	
<b>Dimensions</b>			
		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	500	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5	15 / -
Rated cross section	[mm <sup>2</sup> ]	1.5	-
Cross section range	AWG	26 - 16	30-14
<b>Connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.75	0.14 - 0.75
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	-	-
<b>General data</b>			
Stripping length	[mm]	7	
Screw thread		M2	
Tightening torque	[Nm]	0.22 - 0.25	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data				
Width	Length	Height NS 35/7,5		
4.2	42.5	42		
Width	Length	Height NS 32		
4.2	42.5	47		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	500	0.14 - 1.5	30-14	
IEC 60947-7-1		Ex		
IEC	UL	CSA	IEC/EN 60079-7	
			352	
			17 / 1.5	
			0.14-1.5	
			26 - 16	
			Ferrule	
			without/with plastic sleeve	
			0.25 - 0.75	0.25 - 0.75
			0.25 - 0.34	-
			-	0.5 - 0.5
			-	-

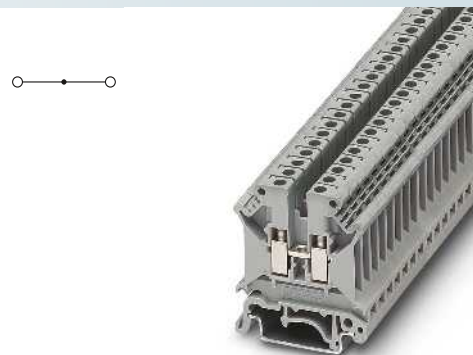
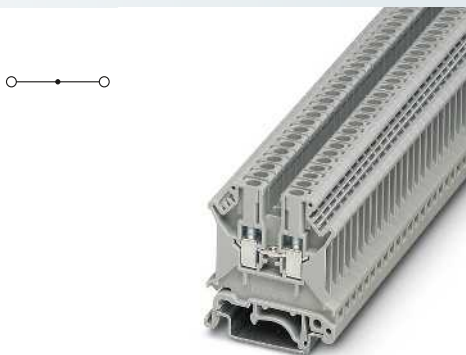
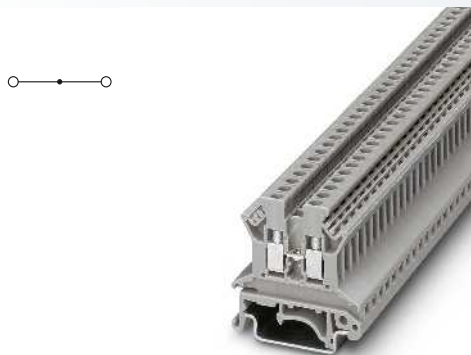
Description	No. of pos.	Color
<b>Terminal block</b> , for mounting on NS 32... or NS 35...		gray
		blue

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>UK 1,5 N</b>		3005837	50
<b>UK 1,5 N BU</b>		3005840	50

<b>Cover</b> , width 1.5 mm		gray
		blue
<b>Cover</b> , width 1.8 mm		gray
		blue
<b>Fixed bridge</b> , insulated	10	silver
<b>Insertion bridge</b> , insulated	10	gray
<b>Switch bar for 2 terminal blocks</b> , complete, to increase insulation an end cover must be interposed	2	silver
<b>Isolator bridge bar</b> , can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
<b>Bridge bar isolator</b> , as distance piece for isolator bridge bar		gray
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
<b>Partition plate</b> , 1.5 mm wide		gray
<b>Test socket</b>		silver
<b>Test socket</b> , insulated, can be used only with FBI and ISSBI		silver
<b>Screwdriver</b>		
<b>Lateral groove marking</b>		

Accessories <sup>1)</sup>			
<b>D-UK 2,5</b>		3001022	50
<b>D-UK 2,5 BU</b>		3001103	50
<b>FBRN 10-4 N</b>	12 A	3001624	10
<b>ATP-UK</b>		3003224	50
<b>SZS 0,4X2,5 VDE</b>		1205037	10
<b>ZB 4 (see Catalog 5)</b>			





2.5 (4) mm<sup>2</sup>, 24 A, feed-through terminal block

2.5 (4) mm<sup>2</sup>, 32 A, feed-through terminal block

4 (6) mm<sup>2</sup>, 41 A, feed-through terminal block

Ex: KEMA 06ATEX0119 U / IECEx KEM 06.0034U

Technical data			
Width	Length	Height NS 35/7,5	
5.2	42.5	42	
Width	Length	Height NS 32	
5.2	42.5	47	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	800	0.2 - 4	30-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	300	300	550
24 / 2.5	20 / -	20 / -	22 / 2.5
2.5	-	-	0.2-2.5
24 - 12	30-12	28-12	24 - 12
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1.5
2.5	2.5	-	-
7			
M3			
0.6 - 0.8			
PA			
V2			

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data			
Width	Length	Height NS 35/7,5	
5.2	42.5	47	
Width	Length	Height NS 32	
5.2	42.5	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	0.2 - 4	28-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	690
24 / 2.5	20 / -	20 / -	23 / 2.5
2.5	-	-	0.2-2.5
24 - 12	28-12	28-12	24 - 12
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data			
Width	Length	Height NS 35/7,5	
6.2	42.5	47	
Width	Length	Height NS 32	
6.2	42.5	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	800	0.2 - 6	30-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	690
32 / 4	30 / -	30 / -	30.5 / 4
4	-	-	0.2-4
24 - 10	30-10	28-10	24 - 10
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 2,5 N		3003347	50
UK 2,5 N BU		3003350	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 3 N		3001501	50
UK 3 N BU		3001514	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 5 N		3004362	50
UK 5 N BU		3004388	50

Accessories <sup>1)</sup>			
D-UK 2,5		3001022	50
D-UK 2,5 BU		3001103	50
FBRI 10-5 N	24 A	2770642	10
EBL 10- 5	24 A	2303132	10
USBR 2-7	18 A	2303239	1
TS-KK 3		2770215	50
ATP-UK		3003224	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories <sup>1)</sup>			
D-UK 4/10		3003020	50
D-UK 4/10 BU		3003101	50
FBRI 10-5 N	30 A	2770642	10
EBL 10- 5	24 A	2303132	10
TS-K		1302215	50
ATP-UK		3003224	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories <sup>1)</sup>			
D-UK 4/10		3003020	50
D-UK 4/10 BU		3003101	50
FBI 10- 6	41 A	0203250	10
EB 10- 6	32 A	0201139	10
USBR 2-7	34 A	2303239	1
ISSBI 10- 6	30 A	0301505	10
IS-K 4		1302338	100
TS-K		1302215	50
ATP-UK		3003224	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 5 (see Catalog 5)

ZB 5 (see Catalog 5)

ZB 6 (see Catalog 5)

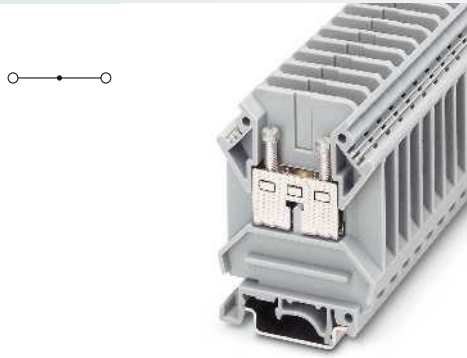
# Terminal blocks

## UK universal terminal blocks

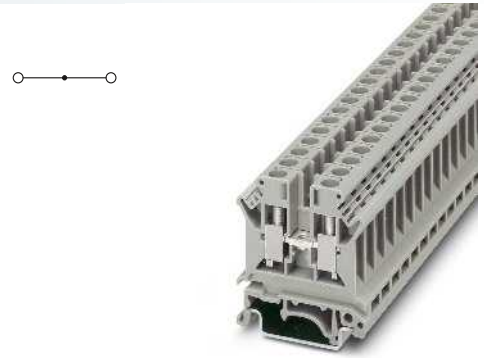
### UK ... feed-through terminal blocks

- All universal terminal blocks from the UK... series can also be used in the area at risk of explosion according to IEC/EN 60079 as standard
- The corresponding EC sample test certificate numbers for Ex approval can be found in the technical connection data

**Notes:**  
 1) For information on installation and using accessories for Ex applications, see page 602.



**6 (10) mm<sup>2</sup>, 57 A, 2000 V, feed-through terminal block**



**6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block**



Ex: SEV12ATEX0168U / IECEx SEV12.0008U

Technical data				
Width	Length	Height NS 35/7,5		
10.2	52	70.5		
Width	Length	Height NS 32		
10.2	52	75.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	2000	0.5 - 10	26-8	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage [V]	2000	1000	600	1100
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41	50 / -	25 / -	41 / 6
Rated cross section [mm <sup>2</sup> ]	6	-	-	0.5-6
Cross section range AWG	20 - 8	26-8	26-12	20 - 8
Connection capacity				
1 conductor [mm <sup>2</sup> ]	0.5 - 10	0.5 - 6	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm <sup>2</sup> ]	0.5 - 6	0.5 - 6	0.5 - 6	
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-	-	0.5 - 6	
Max. cross section with insertion bridge [mm <sup>2</sup> ]	-	-	-	
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			



Ex: KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data				
Width	Length	Height NS 35/7,5		
8.2	42.5	47		
Width	Length	Height NS 32		
8.2	42.5	52		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	800	0.2 - 10	26-8	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage [V]	800	600	600	690
Nominal current / cross section [A] / [mm <sup>2</sup> ]	41 / 6	50 / -	50 / -	41 / 6
Rated cross section [mm <sup>2</sup> ]	6	-	-	0.2-6
Cross section range AWG	24 - 8	26-8	26-8	24 - 8
Connection capacity				
1 conductor [mm <sup>2</sup> ]	0.2 - 10	0.2 - 6	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 6	
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-	-	0.25 - 1.5	
Max. cross section with insertion bridge [mm <sup>2</sup> ]	4	4	0.5 - 4	
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
Terminal block, for mounting on NS 35...		blue gray blue

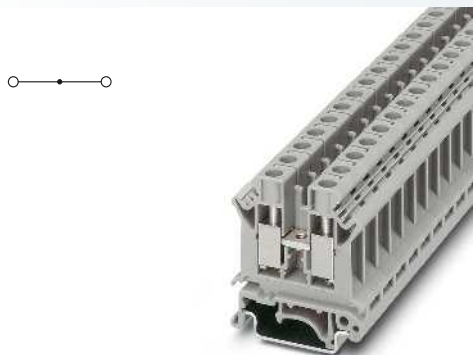
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UHKS/S 2000		0704076	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 6 N		3004524	50
UK 6 N BU		3004977	50

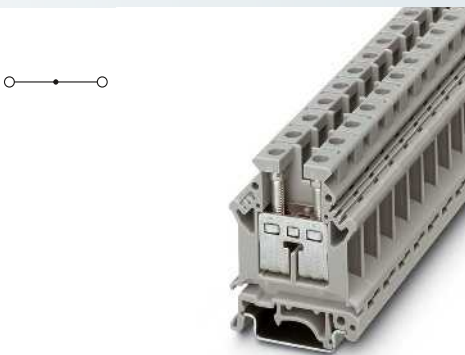
Accessories <sup>1)</sup>		
Cover, width 1.8 mm		gray
Cover, width 1.5 mm		gray
Cover, width 2 mm		gray
Fixed bridge, insulated		silver
	2	silver
	10	silver
Insertion bridge, fully insulated		gray
	10	gray
Switching jumper for 2 terminal blocks, a cover must be placed between them to increase isolation		gray
	2	silver
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...		silver
	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Partition plate, 1.5 mm wide		gray
Test socket, for test connection with test plug PS		silver
Screwdriver		
Lateral groove marking		

Accessories <sup>1)</sup>			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-UHSK 2000		0704021	50
FBI 10-10	61 A	0203276	10

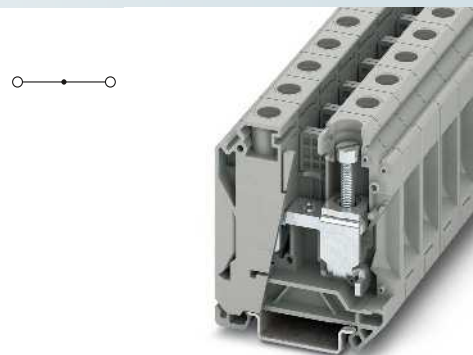
Accessories <sup>1)</sup>			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-UK 4/10		3003020	50
FBI 10- 8	57 A	0203263	10
EB 10- 8	57 A	0202138	10
SB 2- 8/13 N	40 A	0200062	1
ISSBI 10- 8	57 A	0301534	10
IS-K 10		1303337	100
TS-K		1302215	50
ATP-UK		3003224	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10



10 (16) mm<sup>2</sup>, 76 A, feed-through terminal block



16 (25) mm<sup>2</sup>, 101 A, feed-through terminal block



35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block

Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

Ex: KEMA 98ATEX1786U / IECEx KEM 06.0029U

EAC

Technical data			
Width	Length	Height NS 35/7,5	
10.2	42.5	47.3	
Width	Length	Height NS 32	
10.2	42.5	52.3	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
76	800	0.5 - 16	24-6
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	690
57 / 10	65 / -	65 / -	57 / 10
10	-	-	0.5-10
20 - 6	24-6	24-6	20 - 6
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 6
10	10	-	-
10			
M4			
1.5 - 1.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
12.2	42.5	54	
Width	Length	Height NS 32	
12.2	42.5	59	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
101	800	2.5 - 25	22-4
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	690
76 / 16	85 / -	85 / -	74 / 16
16	-	-	4-16
14 - 4	22-4	22-4	14 - 4
Solid	Stranded	Ferrule without/with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
-	-	-	0.75 - 10
16	16	-	-
11			
M4			
1.5 - 1.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
16	54.5	62	
Width	Length	Height NS 32	
16	54.5	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	1000	10 - 35	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1000	-	-	-
125 / 35	-	-	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
-	-	-	6 - 10
-	-	-	-
16			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 10 N		3005073	50
UK 10 N BU		3005086	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 16 N		3006043	50
UK 16 N BU		3006056	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 35 N		3074130	50
UK 35 N BU		3058350	50

Accessories <sup>1)</sup>			
D-UK 4/10		3003020	50
FBI 10-10	76 A	0203276	10
EB 10-10	70 A	0203137	10
TS-K		1302215	50
ATP-UK		3003224	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10

Accessories <sup>1)</sup>			
D-UK 16		3006027	50
FBI 10-12	101 A	0203454	10
EB 10-12	70 A	3006137	10
TS-K		1302215	50
ATP-UK		3003224	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10

Accessories <sup>1)</sup>			
FBI 2-15	125 A	0201333	10
PSB 6/5/6		0205290	10
SZS 1,0X6,5 VDE		1205079	10

ZB 10 (see Catalog 5)

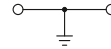
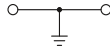
ZB 12 (see Catalog 5)

ZB 16,3 (see Catalog 5)

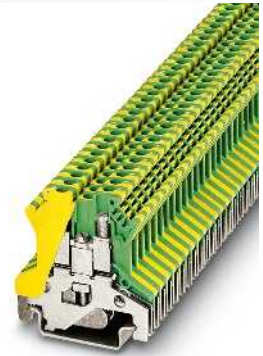
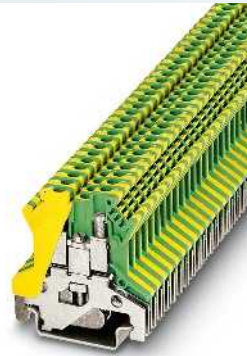
# Terminal blocks

## UK universal terminal blocks

### USLKG ... ground terminals



**Notes:**  
 1) For information on installation and using accessories for Ex applications, see page 602.



1.5 (1.5) mm<sup>2</sup>, ground terminal

2.5 (4) mm<sup>2</sup>, ground terminal

Ex: 
  
 KEMA 99ATEX4487U / IECEx KEM 06.0035U

Ex: 
  
 KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Dimensions		[mm]	
Dimensions		[mm]	
Max. electrical data			
<b>Rated data</b>			
Rated voltage	[V]	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	- / 1.5
Rated cross section	[mm <sup>2</sup> ]	1.5	0.14-1.5
Cross section range	AWG	26 - 16	30-14
<b>Connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.75	0.14 - 0.75
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
<b>General data</b>			
Stripping length	[mm]	7	
Screw thread		M2	
Terminal point: thread / torque	- / [Nm]	M2 / 0.22 - 0.25	
Mounting: thread / torque	- / [Nm]	M2 / 0.22 - 0.25	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data				
Width	Length	Height NS 35/7,5	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
4.2	42.5	42	0.14 - 1.5	30-14
4.2	42.5	47		
IEC 60947-7-2				
IEC	UL	CSA	IEC/EN 60079-7	Ex
IEC 60947-7-2				
IEC	UL	CSA	IEC/EN 60079-7	Ex
Rated voltage	[V]	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	- / 1.5
Rated cross section	[mm <sup>2</sup> ]	1.5	-	0.14-1.5
Cross section range	AWG	26 - 16	30-14	26 - 16
<b>Connection capacity</b>				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75 / 0.25 - 0.75
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 0.5
<b>General data</b>				
Stripping length	[mm]	7		
Screw thread		M2		
Terminal point: thread / torque	- / [Nm]	M2 / 0.22 - 0.25		
Mounting: thread / torque	- / [Nm]	M2 / 0.22 - 0.25		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Technical data				
Width	Length	Height NS 35/7,5	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
5.2	42.5	42	0.2 - 4	30-12
5.2	42.5	47		
IEC 60947-7-2				
IEC	UL	CSA	IEC/EN 60079-7	Ex
IEC 60947-7-2				
IEC	UL	CSA	IEC/EN 60079-7	Ex
Rated voltage	[V]	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	- / 2.5
Rated cross section	[mm <sup>2</sup> ]	2.5	-	0.2-2.5
Cross section range	AWG	24 - 12	30-12	28-12 / 24 - 12
<b>Connection capacity</b>				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 1.5
<b>General data</b>				
Stripping length	[mm]	7		
Screw thread		M3		
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Mounting: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Description	Color
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow
Ground terminal, for mounting on NS 35/15-2,3	green-yellow

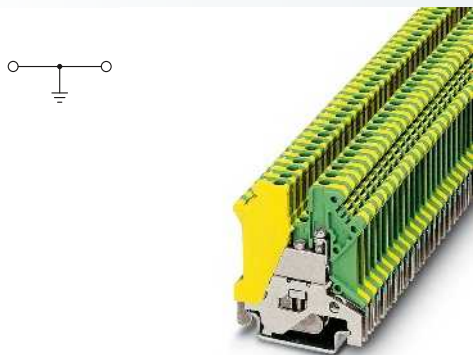
Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 1,5 N	3005853	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 2,5 N	0441119	50
USLKG 2,5 N-1	0443081	50

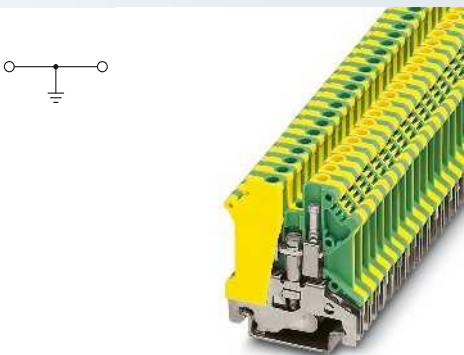
Accessories <sup>1)</sup>	
Screwdriver	SZS 0,4X2,5 VDE 1205037 10
Lateral groove marking	ZB 4 (see Catalog 5)

Accessories <sup>1)</sup>	
Screwdriver	SZS 0,4X2,5 VDE 1205037 10
Lateral groove marking	ZB 4 (see Catalog 5)

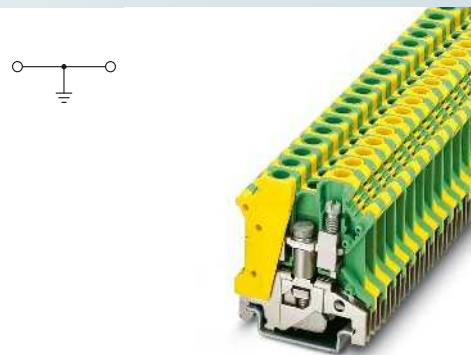
Accessories <sup>1)</sup>	
Screwdriver	SF-SL 0,6X3,5-100 S-VDE 1212587 10
Lateral groove marking	ZB 5 (see Catalog 5)



2.5 (4) mm<sup>2</sup>, ground terminal



4 (6) mm<sup>2</sup>, ground terminal



6 (10) mm<sup>2</sup>, ground terminal

UL US EAC KEUR CCA  
Ex: Ex

KEMA 97ATEX1622 U / IECEx KEM 06.0035U

UL US EAC KEUR CCA  
Ex: Ex

KEMA 99ATEX4487U / IECEx KEM 06.0035U

UL US EAC KEUR ABS CCA  
Ex: Ex

KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data			
Width	Length	Height NS 35/7,5	
5.2	42.5	47	
Width	Length	Height NS 32	
5.2	42.5	52	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.2 - 4	28-12
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	- / 2.5
2.5	-	-	0.2-2.5
24 - 12	28-12	22-12	24 - 12
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
8			
M3			
M3 / 0.6 - 0.8			
M2,5 / 0.5 - 0.6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	42.5	47	
Width	Length	Height NS 32	
6.2	42.5	52	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.2 - 6	26-10
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	- / 4
4	-	-	0.2-4
24 - 10	26-10	26-10	24 - 10
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
8			
M3			
M3 / 0.6 - 0.8			
M3 / 0.6 - 0.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
8.2	42.5	47	
Width	Length	Height NS 32	
8.2	42.5	52	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.2 - 10	26-8
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	- / 6
6	-	-	0.2-6
24 - 8	26-8	-	24 - 8
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 4
10			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 3	0441083	50
USLKG 3-1	0441106	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 5	0441504	50
USLKG 5-1	0441517	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 6 N	0442079	50
USLKG 6 N-1	0444048	50

Accessories <sup>1)</sup>		
SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 5 (see Catalog 5)		

Accessories <sup>1)</sup>		
SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 6 (see Catalog 5)		

Accessories <sup>1)</sup>		
SZS 1,0X4,0 VDE	1205066	10
ZB 8 (see Catalog 5)		

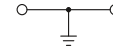
# Terminal blocks

## UK universal terminal blocks

### USLKG ... ground terminals

#### Notes:

1) For information on installation and using accessories for Ex applications, see page 602.



10 (16) mm<sup>2</sup>, 76 A, ground terminal



Ex: KEMA 99ATEX4487U / IECEx KEM 06.0035U

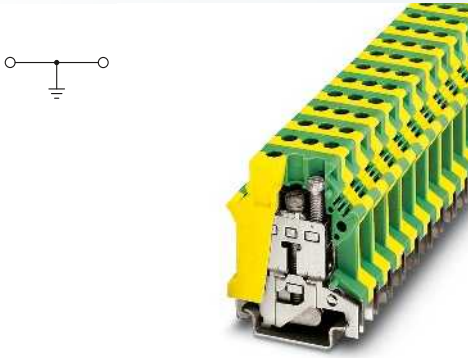
<b>Dimensions</b>		[mm]
<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	57 / 10
Rated cross section	[mm <sup>2</sup> ]	10
Cross section range	AWG	20 - 6
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
<b>General data</b>		
Stripping length	[mm]	10
Screw thread		M4
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8
Mounting: thread / torque	- / [Nm]	M4 / 1.5 - 1.8
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data			
Width	Length	Height NS 35/7,5	
10.2	42.5	47	
Width	Length	Height NS 32	
10.2	42.5	52	
I <sub>max.</sub> [A]		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
76		0.5 - 16	24-6
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
			20 - 6
<b>Connection capacity</b>		Ferrule	
		without/with plastic sleeve	
Solid	Stranded		
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 6

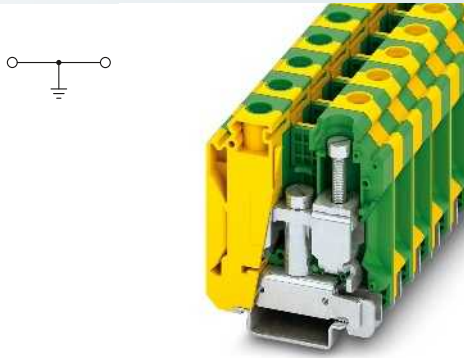
Description	Color
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow
Ground terminal, for mounting on NS 35/15-2,3	green-yellow
Ground terminal, for mounting on NS 35...	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 10 N	3003923	50
USLKG 10 N-1	0442082	50

Accessories <sup>1)</sup>	
Screwdriver	SZS 1,0X4,0 VDE 1205066 10
Lateral groove marking	ZB 10 (see Catalog 5)



16 (25) mm<sup>2</sup>, 101 A, ground terminal



35 (35) mm<sup>2</sup>, 125 A, ground terminal

Ex: EAC Ex   
 KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data			
Width	Length	Height NS 35/7,5	
12.2	42.5	54	
Width	Length	Height NS 32	
12.2	42.5	59	
$I_{max}$ [A]		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
101		2.5 - 25	22-4
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
76 / 16	-	-	- / 16
16	-	-	4-16
12 - 4	22-4	22-4	12 - 4
Solid	Stranded	Ferrule without/with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
-	-	-	0.75 - 10
11			
M4			
M4 / 1.5 - 1.8			
M4 / 1.5 - 1.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
16	53.4	62	
Width	Length	Height NS 32	
16	53.4	-	
$I_{max}$ [A]		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125		10 - 35	-
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
125 / 35	-	-	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
-	-	-	6 - 10
16			
M6			
M6 / 3.2 - 3.7			
M5 / 2.5 - 3			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 16 N	0443023	50
USLKG 16 N-1	0443036	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
USLKG 35 N	3074143	50

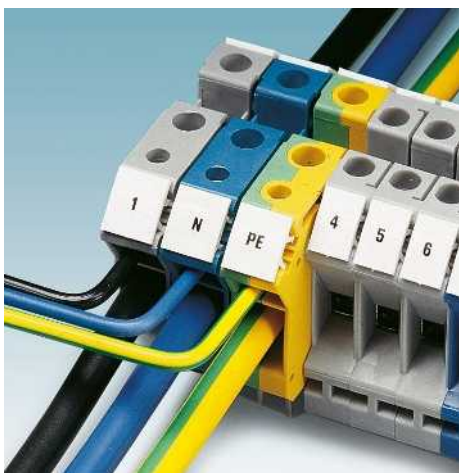
Accessories <sup>1)</sup>		
SZS 1,0X4,0 VDE	1205066	10
ZB 12 (see Catalog 5)		

Accessories <sup>1)</sup>		
SZS 1,0X6,5 VDE	1205079	10
ZB 16,3 (see Catalog 5)		

# Terminal blocks

## UK universal terminal blocks

### Feed-through terminal blocks with 3 UK...-TWIN and UK 10-PLUS connections



- These twin terminal blocks are designed for the basic job of potential branching
- The simple way to connect with very different types of conductors with very different cross sections
- Two independent conductor connections can be used on the control cabinet side
- Bridgeable in the terminal center, even with feed-through terminal blocks added as neighbors: UK 3-TWIN with UK 3 N, UK 5-TWIN with UK 5 N and UK 10-TWIN and UK 10-PLUS with UK 10 N
- The terminal blocks UK 3-TWIN and UK 5-TWIN have the same shape but different pitch widths
- The UK 10-TWIN has two 10 mm<sup>2</sup> connection options
- The UK 10-PLUS has one connection for connecting through a 10 mm<sup>2</sup> supply cable and a 4 mm<sup>2</sup> tap
- UK 10-TWIN and UK 10-PLUS can also be bridged in the terminal center with the feed-through terminal blocks UK 10 N
- With universal foot for mounting on NS 35.. or NS 32... DIN rails

Notes:
If UK universal terminal blocks are added to the open side of the UK 3-TWIN and UK 5-TWIN, the open metal part must be closed with the UK 5-TWIN DECKELSEGMENT, five of which are supplied with every package.
1) Tap: 41 A / 6 mm <sup>2</sup>



2.5 (2.5) mm<sup>2</sup>, 24 A, feed-through terminal block, 3 connections



Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	400
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	24 - 14
Connection capacity continuity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 0.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5
Connection capacity pick-off		
1 conductor	[mm <sup>2</sup> ]	-
2 conductors (of the same type)	[mm <sup>2</sup> ]	-
Two conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
General data		
Stripping length: Continuity / pick-off	[mm]	8 / -
Continuity: thread / torque		M3 / 0.5 - 0.6
Pick-off: thread / torque		- / -
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data			
Width	Length	Height NS 35/7,5	
5.2	50.5	47	
Width	Length	Height NS 32	
5.2	50.5	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400	0.2 - 2.5	30-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	300	300	-
24 / 2.5	10 / -	20 / -	-
2.5	-	-	-
24 - 14	30-12	28-12	-
Solid		Stranded	
Ferrule			
without/with plastic sleeve			
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 1
0.2 - 0.5	0.2 - 0.5	0.25 - 0.5	-
-	-	-	0.5 - 0.75
2.5	2.5	-	-
Solid		Stranded	
Ferrule			
without/with plastic sleeve			
-	-	-	-
-	-	-	-
-	-	-	-

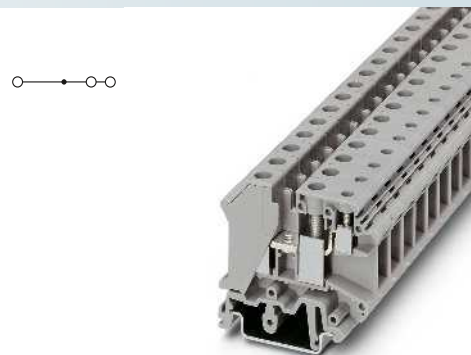
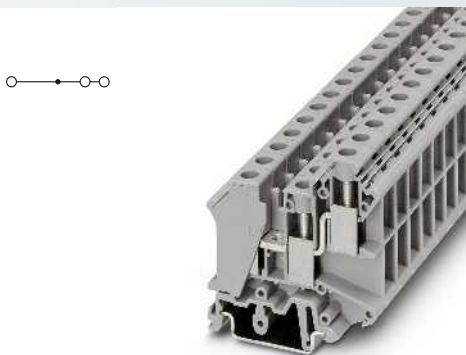
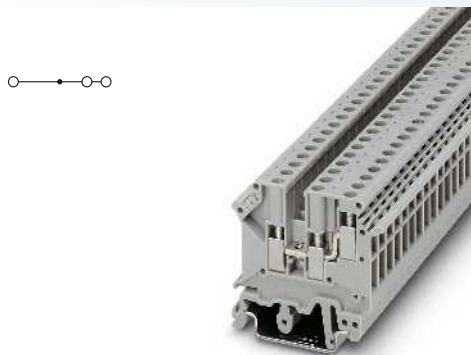
Description	No. of pos.	Color
Terminal block, with universal foot for reversible mounting on NS 32... or NS 35...		gray
		blue

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 3-TWIN		3002225	50
UK 3-TWIN BU		3002416	50

Accessories		
Cover, width 2 mm		gray blue
Fixed bridge, insulated		blue
Insertion bridge, insulated	10	silver
	2	gray
	3	gray
	10	gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Test socket		silver
Test socket, insulated, can be used only with FBI and ISSBI		silver
Screwdriver		
Lateral groove marking		

Accessories			
D-UK 5-TWIN		1923034	50
D-UK 5-TWIN BU		1923050	50
FBI 10-5 N	24 A	2770642	10
EBL 2- 5	24 A	2303145	10
EBL 3- 5	24 A	2303158	10
EBL 10- 5	24 A	2303132	10
TS-K		1302215	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 5)			





4 (4) mm<sup>2</sup>, 32 A, feed-through terminal block, 3 connections

10 (16) mm<sup>2</sup>, 76 A, feed-through terminal block, 3 connections

10 (16) mm<sup>2</sup>, 76 A, feed-through terminal block, with tap

UL ENEC EAC KEUR C-UL Recognized ClassNK CCA

UL ENEC EAC KEUR CCA

UL ENEC EAC

Technical data			
Width	Length	Height NS 35/7,5	
6.2	50.5	47	
Width	Length	Height NS 32	
6.2	50.5	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.2 - 4	30-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	150	300	275
32 / 4	30 / -	30 / -	32
4	-	-	-
24 - 12	30-10	22-10	0,2-4
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	4	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
10.2	56.5	59	
Width	Length	Height NS 32	
10.2	56.5	64	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
76	800	0.5 - 16	24-6
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	300	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
10.2	53	47	
Width	Length	Height NS 32	
10.2	53	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
76 <sup>1)</sup>	800	0.5 - 16	24-6
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	-
57 / 10	65 / -	65	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 5-TWIN		1923021	50
UK 5-TWIN BU		1923047	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 10-TWIN		3005196	50
UK 10-TWIN BU		3005235	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 10-PLUS		3001381	50
UK 10-PLUS BU		3001475	50

Accessories			
D-UK 5-TWIN		1923034	50
D-UK 5-TWIN BU		1923050	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	32 A	0201155	100
EB 3- 6	32 A	0201142	100
EB 10- 6	32 A	0201139	10
TS-K		1302215	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

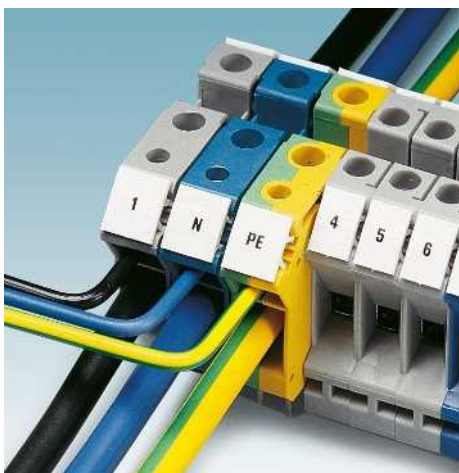
Accessories			
FBI 10-10	76 A	0203276	10
TS-KK 3		2770215	50
PSB 4/7/6		0303299	10
PSBJ 4/15/6 RD		0303325	10
SZS 1,0X4,0 VDE		1205066	10
ZB 10 (see Catalog 5)			

Accessories			
FBI 10-10	76 A	0203276	10
TS-KK 3		2770215	50
PSB 4/7/6		0303299	10
PSBJ 4/15/6 RD		0303325	10
SZS 1,0X4,0 VDE		1205066	10
ZB 10 (see Catalog 5)			

# Terminal blocks

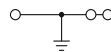
## UK universal terminal blocks

### Ground terminals with 3 UK...-TWIN-PE and UK 10-PLUS-PE connections



- Same shape and pitch as the feed-through terminal blocks
- Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15-2,3)
- Bridges LB ... and ISSBI 10-6 can be attached to the neighboring UK, UK-TWIN and UK-PLUS versions with bridging facility thanks to the housing cut-outs in the ground terminals

Notes:
1) The max. load current must not be exceeded by the total current of all connected conductors.
2) Tap: 41 A / 6 mm <sup>2</sup>



2.5 (2.5) mm<sup>2</sup>, ground terminal, 3 connections



Dimensions		Dimensions		Max. electrical data	
	[mm]		[mm]		
Rated data		Rated data		Rated data	
Rated voltage	[V]	Rated voltage	[V]	Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	Nominal current / cross section	[A] / [mm <sup>2</sup> ]	Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]	Rated cross section	[mm <sup>2</sup> ]	Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG	Cross section range	AWG	Cross section range	AWG
Connection capacity continuity		Connection capacity continuity		Connection capacity continuity	
1 conductor	[mm <sup>2</sup> ]	1 conductor	[mm <sup>2</sup> ]	1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]	2 conductors (of the same type)	[mm <sup>2</sup> ]	2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Connection capacity pick-off		Connection capacity pick-off		Connection capacity pick-off	
1 conductor	[mm <sup>2</sup> ]	1 conductor	[mm <sup>2</sup> ]	1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]	2 conductors (of the same type)	[mm <sup>2</sup> ]	2 conductors (of the same type)	[mm <sup>2</sup> ]
Two conductors with a TWIN ferrule	[mm <sup>2</sup> ]	Two conductors with a TWIN ferrule	[mm <sup>2</sup> ]	Two conductors with a TWIN ferrule	[mm <sup>2</sup> ]
General data		General data		General data	
Stripping length: Continuity / pick-off	[mm]	Stripping length: Continuity / pick-off	[mm]	Stripping length: Continuity / pick-off	[mm]
Continuity: thread / torque		Continuity: thread / torque		Continuity: thread / torque	
Pick-off: thread / torque		Pick-off: thread / torque		Pick-off: thread / torque	
Insulating material		Insulating material		Insulating material	
Inflammability class according to UL 94		Inflammability class according to UL 94		Inflammability class according to UL 94	

Technical data				
Width	Length	Height NS 35/7,5		
5.2	50.5	47		
Width	Length	Height NS 32		
5.2	50.5	52		
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
		0.2 - 2.5	30-12	
IEC 60947-7-2				
IEC	UL	CSA	IEC/EN 60079-7	
-	-	-	-	
-	-	-	-	
2.5	-	-	-	
24 - 14	30-12	-	-	
Solid		Stranded		Ferrule
				without/with plastic sleeve
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	0.25 - 1	
0.2 - 0.5	0.2 - 0.5	0.25 - 0.5	-	
-	-	-	0.5 - 0.75	
Solid		Stranded		Ferrule
				without/with plastic sleeve
-	-	-	-	
-	-	-	-	
-	-	-	-	
8 / -				
M3 / 0.5 - 0.6				
- / -				
PA				
V0				

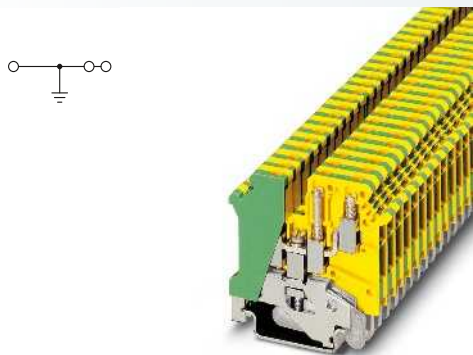
Description	Color
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow

Screwdriver
SF-SL 0,6X3,5-100 S-VDE

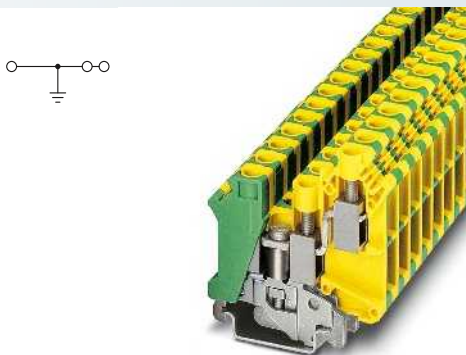
Lateral groove marking
ZB 5 (see Catalog 5)

Ordering data		
Type	Order No.	Pcs. / Pkt.
UK 3-TWIN-PE	1923128	50

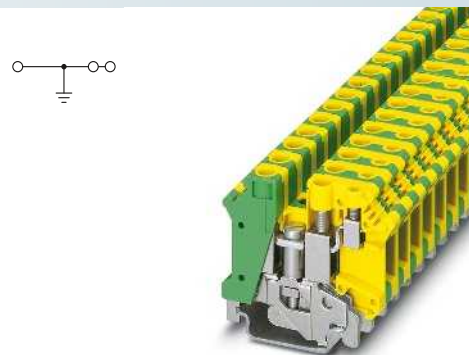
Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 5 (see Catalog 5)		



4 (4) mm<sup>2</sup>, ground terminal, 3 connections



10 (16) mm<sup>2</sup>, 76 A, ground terminal, 3 connections



10 (16) mm<sup>2</sup>, 76 A, ground terminal, with tap and PE foot

UL ERIC KEBA ClassNK CCA

UL ERIC KEBA CCA

UL ERIC

Technical data			
Width	Length	Height NS 35/7,5	
6.2	50.5	47	
Width	Length	Height NS 32	
6.2	50.5	52	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.2 - 4	30-10
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
4	-	-	-
24 - 12	30-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
10.2	56.5	59	
Width	Length	Height NS 32	
10.2	56.5	64	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.5 - 16	24-6
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
57 / 10	-	-	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
10.2	53	47	
Width	Length	Height NS 32	
10.2	53	52	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.5 - 16	24-6
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
57 <sup>1)</sup> / 10	-	-	-
10	-	-	-
20 - 6	24-6	24-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 6	-
-	-	-	0.5 - 6
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
UK 5-TWIN-PE	1923076	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
UK 10-TWIN-PE	3001433	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
UK 10-PLUS-PE	3001420	50

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 6 (see Catalog 5)		

Accessories		
SZS 1,0X4,0 VDE	1205066	10
ZB 10 (see Catalog 5)		

Accessories		
SZS 1,0X4,0 VDE	1205066	10
ZB 10 (see Catalog 5)		

# Terminal blocks

## UK universal terminal blocks

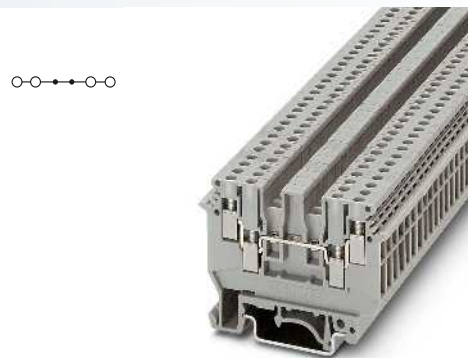
### Feed-through and PE terminal blocks with 4 UDK ... connections

- Two connection points on each side to accommodate several conductors
- Double bridge shaft enables individual potential distribution and supply
- Overall width 5.2 mm or 6.2 mm
- UDK 3 and UDK 4 are of the same shape

### Ground terminal UDK ...-PE

- Same shape and pitch as the feed-through terminal blocks
- The bridge ISSBI 10-6 can be attached to the neighboring UDK 4 versions with bridging facility thanks to the housing cut-outs in the ground terminals
- Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15-2,3)

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.



2.5 (4) mm<sup>2</sup>, 32 A, feed-through terminal block, 4 connections



Dimensions		[mm]	
Dimensions		[mm]	
Max. electrical data			
Rated data			
Rated voltage	[V]	500	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -
Rated cross section	[mm <sup>2</sup> ]	2.5	-
Cross section range	AWG	24 - 12	30-12
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5
General data			
Stripping length	[mm]	8	
Terminal point: thread / torque	- / [Nm]	M3 / 0.5 - 0.6	
Mounting: thread / torque	- / [Nm]	- / -	
Insulating material		PA	
Inflammability class according to UL 94		V2	

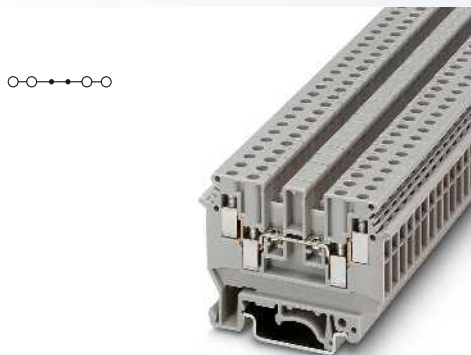
Technical data				
Width	Length	Height NS 35/7,5		
5.2	63.5	47		
Width	Length	Height NS 32		
5.2	63.5	52		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500	0.2 - 4	30-12	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-
Cross section range	AWG	24 - 12	30-12	-
Connection capacity				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5	- / -

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
		blue
Ground terminal, for mounting on NS 32... or NS 35...		green-yellow

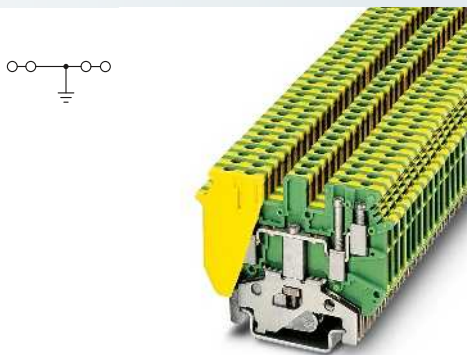
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UDK 3		2775375	50
UDK 3 BU		2718277	50

Cover, width 1.5 mm		
		gray
		blue
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar		
	2	silver
	3	silver
	4	silver
	10	silver
Insertion bridge, insulated		
	2	gray
	3	gray
	10	gray
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed		
	2	silver
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...		
	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		
		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		
		gray
Screwdriver		
Lateral groove marking		

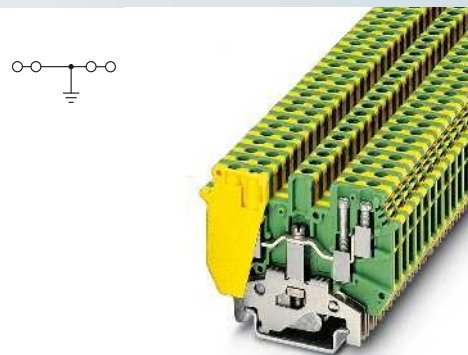
Accessories			
D-UDK 4		2775113	50
D-UDK 4 BU		2775197	50
FBRI 2-5 N	26 A	3000227	10
FBRI 3-5 N	26 A	3000201	10
FBRI 4-5 N	26 A	3000191	10
FBRI 10-5 N	26 A	2770642	10
EBL 2- 5	26 A	2303145	10
EBL 3- 5	26 A	2303158	10
EBL 10- 5	26 A	2303132	10
TS-KK 3		2770215	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 5)			



4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block, 4 connections



2.5 (4) mm<sup>2</sup>, ground terminal, 4 connections



4 (6) mm<sup>2</sup>, ground terminal, 4 connections



Technical data			
Width	Length	Height NS 35/7,5	
6.2	63.5	47	
Width	Length	Height NS 32	
6.2	63.5	52	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	630	0.2 - 6	30-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
630	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 10	30-10	22-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
2.5	2.5	-	-
8			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
5.2	63.5	47	
Width	Length	Height NS 32	
5.2	63.5	52	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
-	-	0.2 - 4	30-12
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
2.5	-	-	-
24 - 12	30-12	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
-	-	-	-
8			
M3 / 0.5 - 0.6			
M2,5 / 0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	63.5	47	
Width	Length	Height NS 32	
6.2	63.5	52	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
-	-	0.2 - 6	22-10
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
4	-	-	-
24 - 10	22-10	22-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
-	-	-	-
8			
M3 / 0.5 - 0.6			
M3 / 0.6 - 0.8			
PA			
V2			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UDK 4		2775016	50
UDK 4 BU		2775090	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UDK 3-PE		2775456	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UDK 4-PE		2775184	50

Accessories			
D-UDK 4		2775113	50
D-UDK 4 BU		2775197	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	26 A	0201155	100
EB 3- 6	26 A	0201142	100
EB 10- 6	26 A	0201139	10
USBR 2-7	24 A	2303239	1
ISSBI 10- 6	32 A	0301505	10
IS-K 4		1302338	100
TS-KK 3		2770215	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

Accessories			
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 5)			

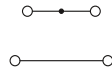
Accessories			
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

# Terminal blocks

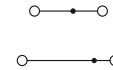
## UK universal terminal blocks

### UKK ... double-level terminal blocks

- Compact double-level terminal blocks in nominal cross sections of 2.5 and 4 mm<sup>2</sup>
- One or two bridge shafts
- Large-scale marking option
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



2.5 (4) mm<sup>2</sup>, 32 A, double-level terminal block



2.5 (4) mm<sup>2</sup>, 32 A, double-level terminal block, both levels can be bridged



Dimensions		[mm]	
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	500	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -
Rated cross section	[mm <sup>2</sup> ]	2.5	-
Cross section range	AWG	24 - 12	28-12
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5
General data			
Stripping length	[mm]	8	
Screw thread		M3	
Tightening torque	[Nm]	0.5 - 0.6	
Insulating material		PA	
Inflammability class according to UL 94		V0	

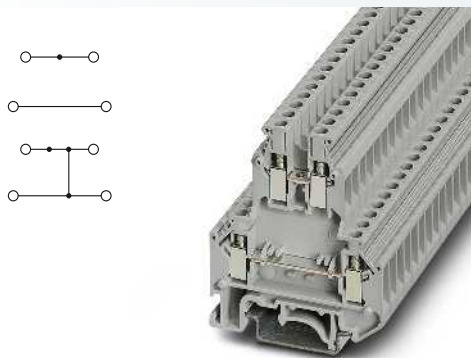
Dimensions		[mm]	
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	500	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -
Rated cross section	[mm <sup>2</sup> ]	2.5	-
Cross section range	AWG	24 - 12	28-12
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5
General data			
Stripping length	[mm]	8	
Screw thread		M3	
Tightening torque	[Nm]	0.5 - 0.6	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Description			No. of pos.	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
Double-level terminal block, for mounting on NS 35... and NS 32...				gray	UKK 3		2770011	50
Double-level terminal block, for mounting on NS 35... and NS 32..., with equipotential bonding between the levels				blue gray	UKK 3 BU		2770095	50

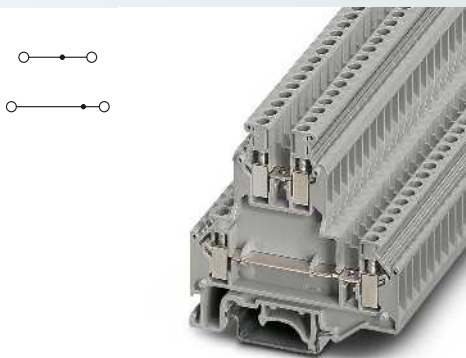
Description			No. of pos.	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
Double-level terminal block, for mounting on NS 35... and NS 32...				gray	UKKB 3		2771010	50
Double-level terminal block, for mounting on NS 35... and NS 32..., with equipotential bonding between the levels				blue gray	UKKB 3 BU		2771094	50

Cover, width 2.5 mm			gray blue	Accessories	
Spacer plate, compensates for level offsets, width 2.5 mm			gray	D-UKK 3/5	2770024
Fixed bridge, insulated				D-UKK 3/5 BU	2770105
	2	silver		DP-UKK 3/5	2770794
	3	silver		FBRNI 2-5 N	28 A 3000175
	4	silver		FBRNI 3-5 N	28 A 3000162
	10	silver		FBRNI 4-5 N	28 A 3000159
				FBRNI 10-5 N	28 A 2770639
Insertion bridge, insulated				EBL 10- 5	22 A 2303132
	2	gray			
	3	gray			
	10	gray			
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...					
	10	silver			
Bridge bar isolator, as distance piece for isolator bridge bar			gray		
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch			gray	TS-KK 3	2770215
Partition plate, 2.5 mm wide			gray	ATP-UKK 3/5	2778521
Screwdriver				SF-SL 0,6X3,5-100 S-VDE	1212587
Lateral groove marking				ZB 5 (see Catalog 5)	

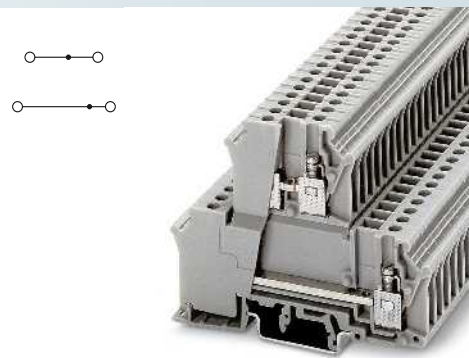
Cover, width 2.5 mm			gray blue	Accessories	
Spacer plate, compensates for level offsets, width 2.5 mm			gray	D-UKKB 3/5	2771023
Fixed bridge, insulated				D-UKKB 3/5 BU	2771104
	2	silver		DP-UKKB 3/ 5	2770804
	3	silver		FBRNI 2-5 N	28 A 3000175
	4	silver		FBRNI 3-5 N	28 A 3000162
	10	silver		FBRNI 4-5 N	28 A 3000159
				FBRNI 10-5 N	28 A 2770639
Insertion bridge, insulated				EBL 10- 5	22 A 2303132
	2	gray			
	3	gray			
	10	gray			
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...					
	10	silver			
Bridge bar isolator, as distance piece for isolator bridge bar			gray		
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch			gray	TS-KK 3	2770215
Partition plate, 2.5 mm wide			gray	ATP-UKKB 3	2771065
Screwdriver				SF-SL 0,6X3,5-100 S-VDE	1212587
Lateral groove marking				ZB 5 (see Catalog 5)	



4 (4) mm<sup>2</sup>, 32 A, double-level terminal block



4 (4) mm<sup>2</sup>, 32 A, double-level terminal block, both levels can be bridged



4 (4) mm<sup>2</sup>, 32 A, 800 V, double-level terminal block, both levels can be bridged



Technical data			
Width	Length	Height NS 35/7,5	
6.2	56	62	
Width	Length	Height NS 32	
6.2	56	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.2 - 4	26-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	600	300	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	67	62	
Width	Length	Height NS 32	
6.2	67	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.2 - 4	26-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	600	300	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	84.5	64	
Width	Length	Height NS 32	
6.2	84.5	69	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	0.2 - 4	28-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	-	750
32 / 4	20 / -	-	27
4	-	-	-
24 - 12	28-12	-	0.2-4
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5		2774017	50
UKK 5 BU		2774091	50
UKK 5-PV		2791388	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKKB 5		2771146	50
UKKB 5 BU		3216053	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UXKK 4		2780014	50

Accessories			
D-UKK 3/5		2770024	50
D-UKK 3/5 BU		2770105	50
DP-UKK 3/5		2770794	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	28 A	0201155	100
EB 3- 6	28 A	0201142	100
EB 10- 6	28 A	0201139	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-KK 3		2770215	50
ATP-UKK 3/5		2778521	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
D-UKKB 3/5		2771023	50
D-UKKB 3/5 BU		2771104	50
DP-UKKB 3/ 5		2770804	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	28 A	0201155	100
EB 3- 6	28 A	0201142	100
EB 10- 6	28 A	0201139	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-KK 3		2770215	50
ATP-UKKB 3		2771065	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
FBI 10- 6	24 A	0203250	10

ZB 6 (see Catalog 5)

ZB 6 (see Catalog 5)

ZB 6 (see Catalog 5)

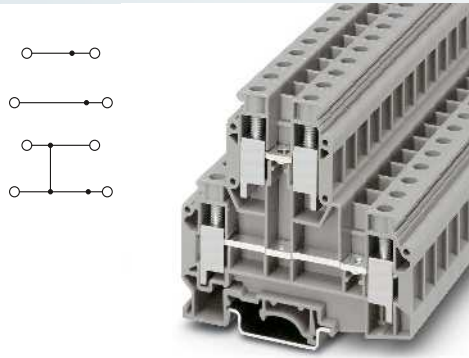
# Terminal blocks

## UK universal terminal blocks

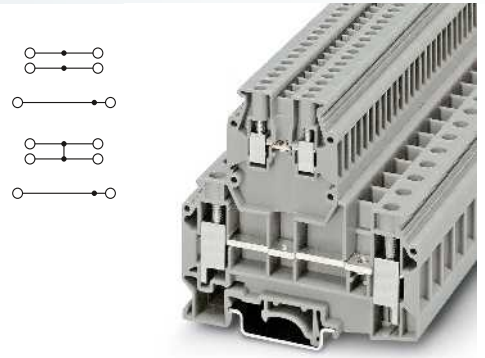
### UKKB 10 ... double-level terminal blocks

- Can be bridged on both levels for all potential distribution tasks
- Overall width of just 10.2 mm
- One of the special features of the UKKB 10/2,5 is that it allows two 2.5 mm<sup>2</sup> conductors to be connected in the upper level

<b>Notes:</b>
UKKB 10-PV: 70 A / 500 V



10 (16) mm<sup>2</sup>, 76 A, double-level terminal block



10 (16) mm<sup>2</sup>, 76 A, double-level terminal block, upper level with 2 x 2.5 mm<sup>2</sup> feed-through terminal blocks



Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data lower level		
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	57 / 10
Rated cross section	[mm <sup>2</sup> ]	10
Cross section range	AWG	20 - 6
Connection capacity, lower level		
1 conductor	[mm <sup>2</sup> ]	0.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 6
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	0.5 - 4
Rated data, upper level		
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	57 / 10
Rated cross section	[mm <sup>2</sup> ]	10
Cross section range	AWG	20 - 6
Connection capacity, upper level		
1 conductor	[mm <sup>2</sup> ]	0.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 6
Two conductors with a TWIN ferrule	[mm <sup>2</sup> ]	0.5 - 4
General data		
Stripping length, lower / upper level	[mm]	11 / 11
Thread, lower / upper level		M4 / M4
Tightening torque, lower / upper level	[Nm]	1.5 - 1.8 / 1.5 - 1.8
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data				
Width	Length	Height NS 35/7,5		
10.2	77.5	73		
Width	Length	Height NS 32		
10.2	77.5	78		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
76	500	0.5 - 16	24-6	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage	500	600	300	-
Nominal current / cross section	57 / 10	65 / -	65 / -	-
Rated cross section	10	-	-	-
Cross section range	20 - 6	24-6	24-6	-
Connection capacity, lower level				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	0.5 - 6	0.5 - 4	0.5 - 6	-
2 stranded conductors with a TWIN ferrule				0.5 - 6
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage	500	600	300	-
Nominal current / cross section	57 / 10	65 / -	65 / -	-
Rated cross section	10	-	-	-
Cross section range	20 - 6	24-6	24-6	-
Connection capacity, upper level				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	0.5 - 6	0.5 - 4	0.5 - 6	-
Two conductors with a TWIN ferrule				0.5 - 6
General data				
Stripping length, lower / upper level	11 / 11			
Thread, lower / upper level	M4 / M4			
Tightening torque, lower / upper level	1.5 - 1.8 / 1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data				
Width	Length	Height NS 35/7,5		
10.2	77.5	73		
Width	Length	Height NS 32		
10.2	77.5	78		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
76	500	0.5 - 16	24-6	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage	500	600	300	-
Nominal current / cross section	57 / 10	65 / -	65 / -	-
Rated cross section	10	-	-	-
Cross section range	20 - 6	24-6	24-6	-
Connection capacity, lower level				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	0.5 - 6	0.5 - 4	0.5 - 6	-
2 stranded conductors with a TWIN ferrule				0.5 - 6
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage	500	600	300	-
Nominal current / cross section	24 / 2.5	20 / -	20 / -	-
Rated cross section	10	-	-	-
Cross section range	24 - 12	30-12	28-12	-
Connection capacity, upper level				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two conductors with a TWIN ferrule				0.5 - 1.5
General data				
Stripping length, lower / upper level	11 / 8			
Thread, lower / upper level	M4 / M3			
Tightening torque, lower / upper level	1.2 - 1.8 / 0.5 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V0			

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
Terminal block, with equipotential bond, for mounting on NS 32 ... or NS 35...		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKKB 10		2772077	50
UKKB 10-PV		3003567	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKKB 10/2,5		2771007	50
UKKB 10/2,5-PV		2775485	50

Accessories		
Cover, width 1.5 mm		gray
Fixed bridge, insulated	10	silver
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, can be separated, with 10 screws	10	silver
Chain bridge, with screw	1	silver
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Screwdriver		
Marking for upper level		
Marking for lower level		

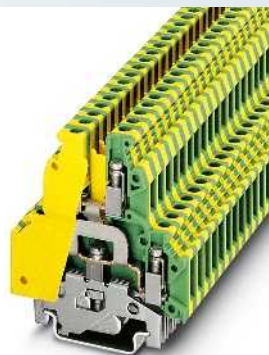
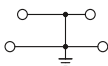
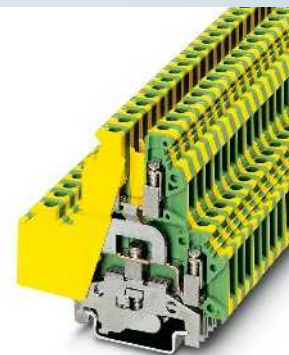
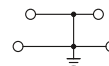
Accessories			
D-UKKB 10	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-UKKB 10		3001394	50
FBI 10-10	70 A	0203276	10
KB- 10	70 A	0203205	100
ISSBI 10-10	38 A	0301521	10
IS-K 10		1303337	100
SZS 1,0X4,0 VDE		1205066	10
ZB 10 (see Catalog 5)			
ZB 10 (see Catalog 5)			

Accessories			
D-UKKB 10	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-UKKB 10		3001394	50
FBRI 10-5 N	26 A	2770642	10
FBI 10-10	70 A	0203276	10
KB- 10	70 A	0203205	100
ISSBI 10-10	38 A	0301521	10
IS-K 10		1303337	100
SZS 1,0X4,0 VDE		1205066	10
ZB 5 (see Catalog 5)			
ZB 10 (see Catalog 5)			



## Double-level ground terminals UKK 5-PE and UKKB 5-PE

- Same shape and pitch as the feed-through terminal blocks
- Even if fully wired, the level offset offers unobstructed access to the lower connection level
- Universal ground conductor foot for mounting on NS 35...- or NS 32... DIN rails (with the exception of NS 35/15-2,3)

4 (4) mm<sup>2</sup>, double-level ground terminal4 (4) mm<sup>2</sup>, double-level ground terminal

Technical data				
Dimensions	Width	Length	Height NS 35/7,5	
	6.2	56	62	
Dimensions	Width	Length	Height NS 32	
	6.2	56	67	
Max. electrical data			Max. Ø [mm <sup>2</sup> ]	AWG (UL)
			0.2 - 4	26-10
Rated data	IEC 60947-7-2			
	IEC	UL	CSA	IEC/EN 60079-7
	Rated voltage	-	-	-
	Nominal current / cross section	-	-	-
	Rated cross section	4	-	-
Connection capacity	Cross section range		AWG	
	24 - 12	26-10	28-10	
General data	Stripping length	8		
	Screw thread	M3		
	Tightening torque	0.6 - 0.8		
	Insulating material	PA		
Inflammability class according to UL 94	V2			

Ordering data			
Description	Color	Type	Order No.
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow	UKK 5-PE	2774211
			Pcs. / Pkt.
			50
Accessories			
Screwdriver	SF-SL 0,6X3,5-100 S-VDE	1212587	10
Lateral groove marking	ZB 6 (see Catalog 5)		



Technical data				
Dimensions	Width	Length	Height NS 35/7,5	
	6.2	67	62	
Dimensions	Width	Length	Height NS 32	
	6.2	67	67	
Max. electrical data			Max. Ø [mm <sup>2</sup> ]	AWG (UL)
			0.2 - 4	26-10
Rated data	IEC 60947-7-2			
	IEC	UL	CSA	IEC/EN 60079-7
	Rated voltage	-	-	-
	Nominal current / cross section	-	-	-
	Rated cross section	4	-	-
Connection capacity	Cross section range		AWG	
	24 - 12	26-10	28-10	
General data	Stripping length	8		
	Screw thread	M3		
	Tightening torque	0.6 - 0.8		
	Insulating material	PA		
Inflammability class according to UL 94	V2			

Ordering data			
Description	Color	Type	Order No.
Ground terminal, for mounting on NS 32... or NS 35...	green-yellow	UKKB 5-PE	3007123
			Pcs. / Pkt.
			50
Accessories			
Screwdriver	SF-SL 0,6X3,5-100 S-VDE	1212587	10
Lateral groove marking	ZB 6 (see Catalog 5)		

# Terminal blocks

## UK universal terminal blocks

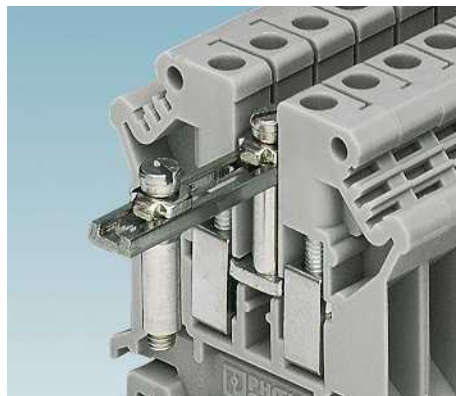
### Bridging cross-reference list

Type	Order No.	UK 2,5 N Page 361	UK 3 N Page 361	UK 5 N Page 361	UK 6 N Page 362	UK 10 N Page 363	UK 16 N Page 363	UK 35 N Page 363
<b>Isolator bridge bar, in connection with bridge bar isolator</b>								
ISSBI 10-5	3026256							
ISSBI 10-6	0301505							
ISSBI 10-8	0301534							
ISSBI 10-10	0301521							
<b>Bridge bar isolator, in connection with isolator bridge bar</b>								
IS-K 2,5	3026243							
IS-K 4	1302338							
IS-K 10	1303337							
<b>Cross connection bar, in connection with distance piece</b>								
FB 150	0201595							
<b>Distance piece, in connection with cross connection bar</b>								
ZS-6	0201605							
ZSR	2303608							
<b>L-bridge, 10-pos.</b>								
LB 10-6 GY	0202358							
LB 10-6 BU	0202280							
<b>L-bridge, 100-pos.</b>								
LB 100-6 GY	0202345							
LB 100-6 BU	0202303							
<b>Chain bridge</b>								
KB 6	0201472							
KB 8	0202206							
KB 10	0203205							
KB 15	0204259							

Isolator bridge bar ISSBI ... isolator bridge bar



Cross connection bar FB ... cross connection bar

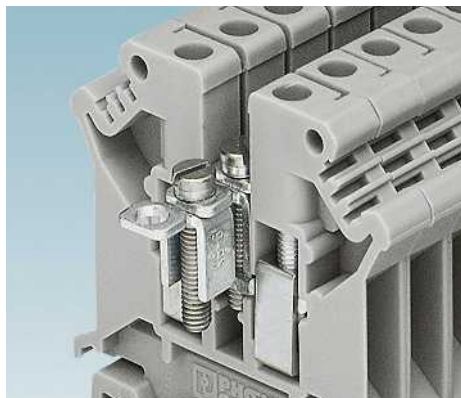


L-bridge LB ... L-bridge



UK 3-TWIN Page 368	UK 5-TWIN Page 369	UK 10-TWIN Page 369	UDK 3 Page 372	UDK 4 Page 373	UKK 3 Page 374	UKKB 3 Page 374	UKK 5 Page 375	UKKB 5 Page 375	UKKB 10 Page 376
■			■		■	■			
	■			■			■	■	
									■
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	■			■			■	■	
		■							■
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Chain bridge KB ... chain bridge



# Terminal blocks

## UK universal terminal blocks

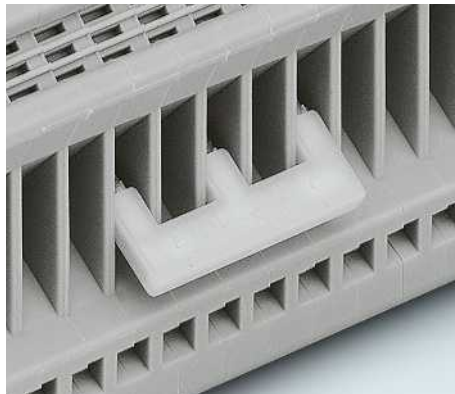
### Bridge cross-reference list

Type	Order No.	UK 2,5 N Page 361	UK 3 N Page 361	UK 5 N Page 361	UK 6 N Page 362	UK 10 N Page 363	UK 16 N Page 363	UK 35 N Page 363
<b>Switching bridge across two terminal blocks</b>								
USBR 2-7	2303239							
SB 2-8/13	0202235							
SB 2-10/15	0203234							
<b>Switching bridge for bridged terminal block groups</b>								
USBRJ 2-7	2305538							
SBJ 2-8/13	0303286							
SBJ 2-10/15	0302287							
<b>Star-delta bridge</b>								
EB 3-6/ST	5020807							
EB 6-6/DR	5020255							
EB 3-8/ST	5020810							
EB 3-8/DR	5020768							
EB 3-10/ST	5020823							
EB 6-10/DR	5020771							
<b>Step bracket</b>								
STL 10N/5N	0204110							
<b>Short-circuit plug</b>								
KSS 5	2303543							
KSS 6	0301547							
KSS 3-6	0309523							
KSS 8	0311540							
KSS 10	0310541							

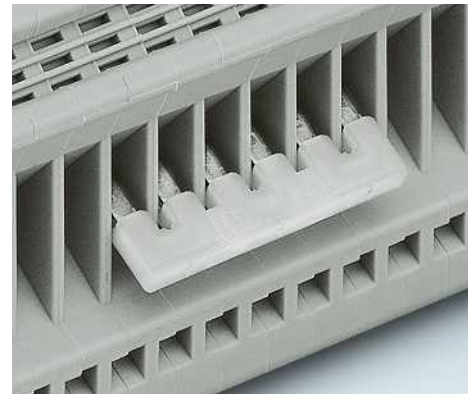
Switching bridge USBR ..., SB ...  
switching bridge



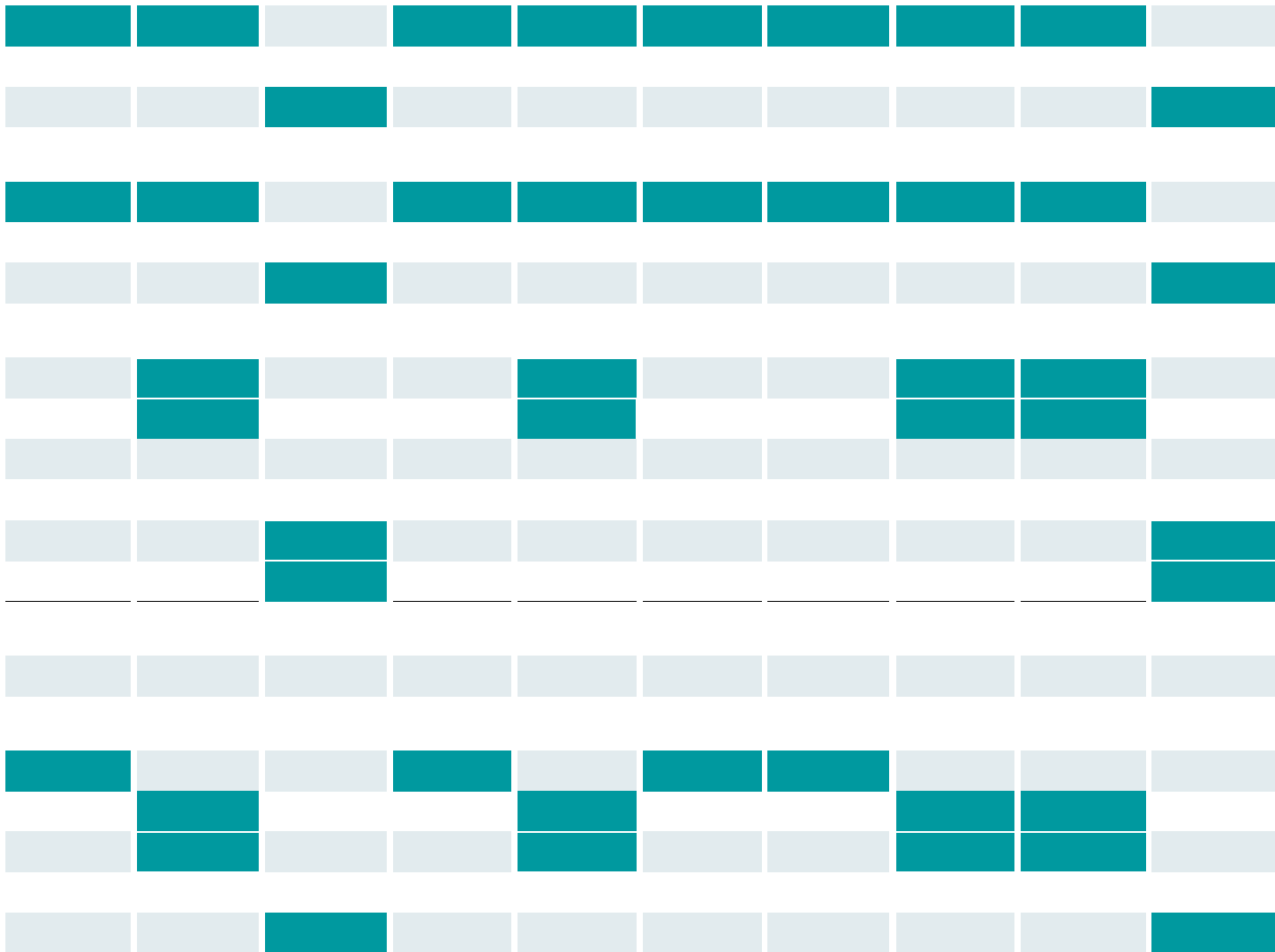
Star bridge EB .../ST star bridge



Delta bridge EB .../DR delta bridge



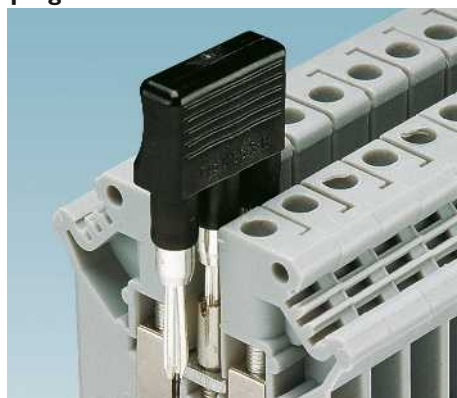
<b>UK 3-TWIN</b> Page 368	<b>UK 5-TWIN</b> Page 369	<b>UK 10-TWIN</b> Page 369	<b>UDK 3</b> Page 372	<b>UDK 4</b> Page 373	<b>UKK 3</b> Page 374	<b>UKKB 3</b> Page 374	<b>UKK 5</b> Page 375	<b>UKKB 5</b> Page 375	<b>UKKB 10</b> Page 376
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Step bracket STL ... step bracket



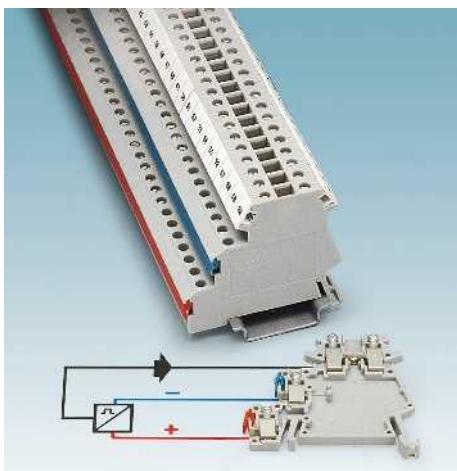
Short-circuit plug KSS ... short-circuit plug



# Terminal blocks

## UK universal terminal blocks

### Three-level and three-conductor initiator terminal blocks DIK 1,5 ... and DIKD 1,5 ...



The sensor and actuator conductors are wired in terminal boxes in order to reduce wiring costs. The positive and negative connections are grouped so that only the signal lines and one pair of conductors for the power supply need to be wired between the terminal box and the control.

#### DIK 1,5

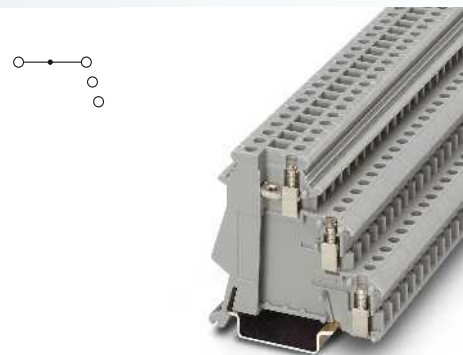
- The upper level accommodates the feed-through terminal blocks for the signal line which can be marked
- The two bottom terminal points supply the initiator with potential
- The lower terminal points can be bridged using a divisible insertion bridge

#### DIKD 1,5

- The positive and negative potential can be fed into the insertion bridges via this power terminal
- The first initiator can also be connected to this three-conductor feed-through terminal block

#### DIKD 1,5-PV

- Space-saving potential distributor terminal block
- Bridgeable upper level makes potential distribution over more than 6 terminal points possible
- The potential distributor terminal block is available with a gray, blue or black insulating housing for clear potential demarcation



2.5 (4) mm<sup>2</sup>, 26 A, three-conductor initiator terminal block

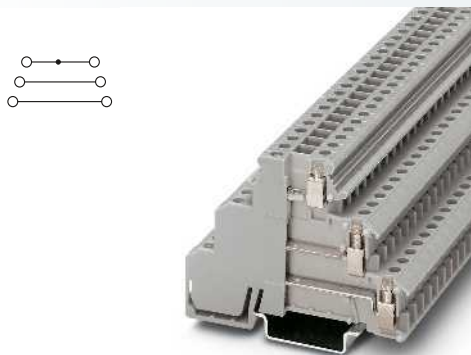


Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Max. cross section with insertion bridge	[mm <sup>2</sup> ]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

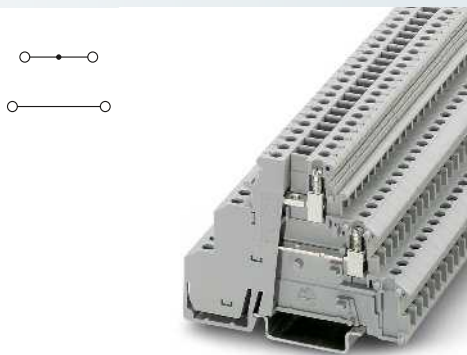
Technical data				
Width	Length	Height NS 35/7,5		
6.2	55	54.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	250	0.2 - 4	30-14	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	250	300	-	
Nominal current / cross section	24 / 2.5	15 / -	15 / -	
Rated cross section	2.5	-	-	
Cross section range	24 - 12	30-14	28-14	
Connection capacity		Ferrule		
		without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	
0.2 - 1	0.2 - 1	0.25 - 1	-	
-	-	-	0.5 - 1	
4	2.5	-	-	
Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
DIK 1,5		2715966	50	
DIK 1,5 BU		2716059	50	
Accessories				
FBI 10- 6	24 A	0203250	10	
EB 10- DIK BU	24 A	2716680	10	
EB 10- DIK RD	24 A	2716774	10	
EB 10- DIK GY	24 A	2715937	10	
EB 80- DIK BU	24 A	2715940	1	
EB 80- DIK RD	24 A	2715953	1	
EB 80- DIK WH	24 A	2715788	1	
ATP-DIK 1,5		1413272	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
Marker strips, for middle and lower level				
SK 6,2/3,8 (see Catalog 5)				
Marking for upper level				
ZB 6 (see Catalog 5)				

Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray blue
Terminal block, with three through contacts, for mounting on NS 35...		gray blue gray
Terminal block, with through contacts in the upper and middle levels, for mounting on NS 35...		gray
Terminal block, with equipotential bonder, for mounting on NS 35...		gray blue black

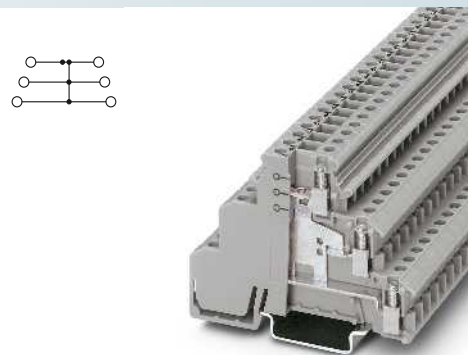
Fixed bridge, insulated	10	silver
Insertion bridge, for middle and lower levels	10	blue
	10	red
	10	gray
	80	blue
	80	red
	80	white
Partition plate, 2 mm width		gray
Screwdriver		
Marker strips, for middle and lower level		
Marking for upper level		



2.5 (4) mm<sup>2</sup>, 30 A, three-level terminal block



2.5 (4) mm<sup>2</sup>, 30 A, three-level terminal block with two feed-through levels



2.5 (4) mm<sup>2</sup>, 32 A, three-level terminal block, internally connected levels



Technical data			
Width	Length	Height NS 35/7,5	
6.2	72.5	54.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	250	0.2 - 4	30-14
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	72.5	54.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	250	0.2 - 4	30-14
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250	300	-	-
24 / 2.5	15 / -	-	-
2.5	-	-	-
24 - 12	30-14	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	72.5	54.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	250	0.2 - 4	30-14
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
DIKD 1,5		2715979	50
DIKD 1,5 BU		2716101	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
DIKD 1,5-2D		2716512	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
DIKD 1,5-PV		2715092	50
DIKD 1,5-PV BU		2715584	50
DIKD 1,5-PV BK		2715571	50

Accessories			
FBI 10- 6	24 A	0203250	10
EB 10- DIK BU	24 A	2716680	10
EB 10- DIK RD	24 A	2716774	10
EB 10- DIK GY	24 A	2715937	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
FBI 10- 6	24 A	0203250	10
EB 10- DIK BU	24 A	2716680	10
EB 10- DIK RD	24 A	2716774	10
EB 10- DIK GY	24 A	2715937	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
FBI 10- 6	24 A	0203250	10
EB 10- DIK BU	24 A	2716680	10
EB 10- DIK RD	24 A	2716774	10
EB 10- DIK GY	24 A	2715937	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

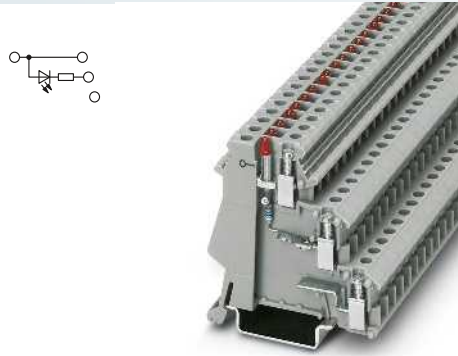
# Terminal blocks

## UK universal terminal blocks

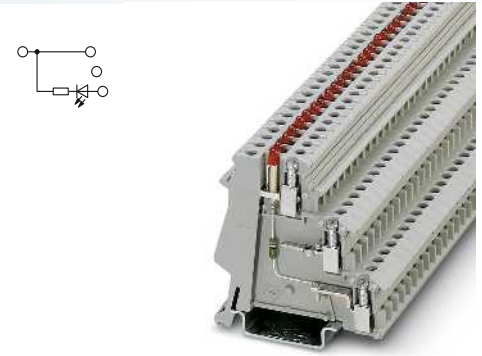
### Three-level and three-conductor initiator terminal blocks with LED display DIK 1,5 ...

- Terminal blocks with LED displays in red and green are available for optical identification of the initiator and actuator wiring

Notes:
1) Current and voltage are determined by the plug used.
2) LED display: Voltage 15–30 V DC, current 1–2.5 mA
3) The corresponding accessory is documented, see page 412.



2.5 (4) mm<sup>2</sup>, 26 A, three-conductor terminal block with LED display



2.5 (4) mm<sup>2</sup>, 26 A, three-conductor terminal block with LED display



Dimensions		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	250
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	24 - 12
<b>Disconnect level rated data</b>		
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4
<b>General data</b>		
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.6
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data				
Width	Length	Height NS 35/7,5		
6.2	55	54.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	250	0.2 - 4	30-14	
IEC	UL	CSA	IEC/ EN 60079-7	
250	300	300	-	
24 / 2.5	15 / -	15 / -	-	
2.5	-	-	-	
24 - 12	30-14	28-14	-	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
-	-	-	-	
Solid		Stranded		Ferrule without/with plastic sleeve
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	
0.2 - 1	0.2 - 1	0.25 - 1	-	
-	-	-	0.5 - 1	
4	2.5	-	-	

Technical data				
Width	Length	Height NS 35/7,5		
6.2	55	54.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	250	0.2 - 4	30-14	
IEC	UL	CSA	IEC/ EN 60079-7	
250	300	300	-	
24 / 2.5	15 / -	15 / -	-	
2.5	-	-	-	
24 - 12	30-14	28-14	-	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
-	-	-	-	
Solid		Stranded		Ferrule without/with plastic sleeve
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	
0.2 - 1	0.2 - 1	0.25 - 1	-	
-	-	-	0.5 - 1	
4	2.5	-	-	

Description	No. of pos.	Color
<b>Terminal block</b> , with a red LED between the upper and middle level, for mounting on NS 35... <sup>2)</sup>		gray
Green LED		gray
<b>Terminal block</b> , with a red LED between the upper and lower level, for mounting on NS 35... <sup>2)</sup>		gray
Green LED		gray
<b>Terminal block</b> , with three through contacts and a red LED between the upper and middle level, for mounting on NS 35... <sup>2)</sup>		gray
Green LED		gray
<b>Terminal block</b> , with three through contacts and a red LED between the upper and lower level, for mounting on NS 35... <sup>2)</sup>		gray
Green LED		gray
<b>Basic terminal block</b> , for mounting on NS 35... <sup>3)</sup>		gray

Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
DIK 1,5-LA 24RD/O-M		2715856	50	
DIK 1,5-LA 24GN/O-M		2715762	50	

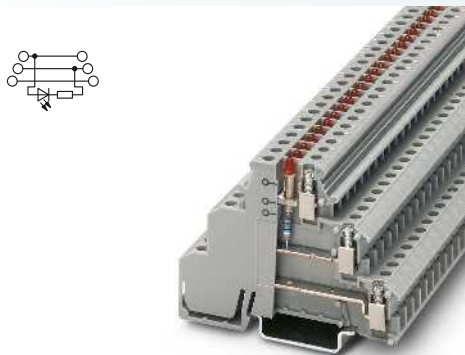
Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
DIK 1,5-LA 24RD/U-O		2715995	50	
DIK 1,5-LA 24GN/U-O		2715733	50	

Accessories		
Fixed bridge, insulated	10	silver
Insertion bridge, for middle and lower levels	80	blue
	80	red
	80	white
Partition plate, 2 mm width		gray
Screwdriver		
Marker strips, for middle and lower level		
Marking for the upper level		

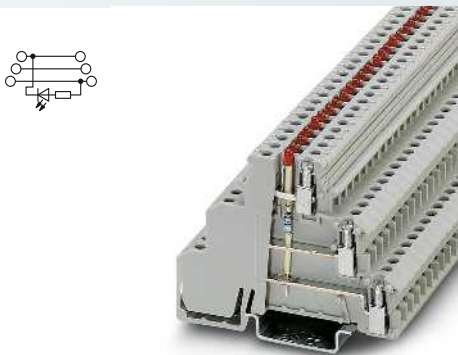
Accessories				
FBI 10- 6	24 A	0203250	10	
EB 80- DIK BU	24 A	2715940	1	
EB 80- DIK RD	24 A	2715953	1	
EB 80- DIK WH	24 A	2715788	1	
ATP-DIK 1,5		1413272	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
SK 6,2/3,8 (see Catalog 5)				
ZB 6 (see Catalog 5)				

Accessories				
FBI 10- 6	24 A	0203250	10	
EB 80- DIK BU	24 A	2715940	1	
EB 80- DIK RD	24 A	2715953	1	
EB 80- DIK WH	24 A	2715788	1	
ATP-DIK 1,5		1413272	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
SK 6,2/3,8 (see Catalog 5)				
ZB 6 (see Catalog 5)				

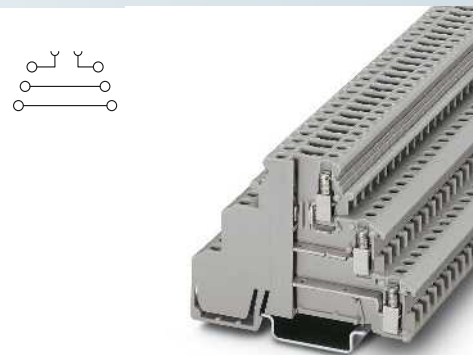




2.5 (4) mm<sup>2</sup>, 30 A, three-level terminal block with LED display



2.5 (4) mm<sup>2</sup>, 30 A, three-level terminal block with LED display



2.5 (4) mm<sup>2</sup>, 30 A, three-level terminal block with disconnect zone



Technical data			
Width	Length	Height NS 35/7,5	
6.2	72.5	54.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	250	0.2 - 4	30-14
IEC	UL	CSA	IEC/EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	72.5	54.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	250	0.2 - 4	30-14
IEC	UL	CSA	IEC/EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	72.5	54.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
15 <sup>1)</sup>	250 <sup>1)</sup>	0.2 - 4	30-14
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250 <sup>1)</sup>	300	300	-
15 <sup>1)</sup> / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
15 <sup>1)</sup> / 2.5	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/O-M		2715814	50
DIKD 1,5-LA 24GN/O-M		2716376	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DIKD 1,5-LA 24RD/U-O		2716279	50
DIKD 1,5-LA 24GN/U-O		2716402	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DIKD 1,5-TG		2774237	50

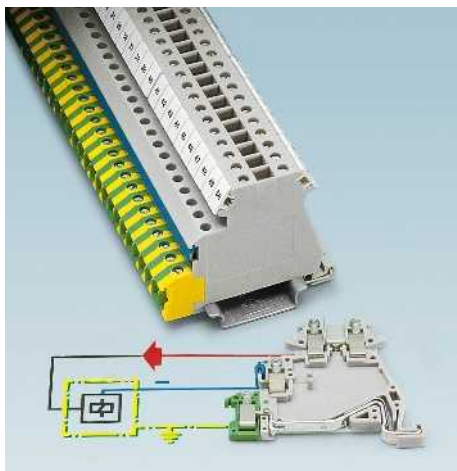
Accessories			
FBI 10-6	24 A	0203250	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SK 6,2/3,8 (see Catalog 5)			
ZB 6 (see Catalog 5)			

Accessories			
FBI 10-6	24 A	0203250	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SK 6,2/3,8 (see Catalog 5)			
ZB 6 (see Catalog 5)			

Accessories			
FBI 10-6	24 A	0203250	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SK 6,2/3,8 (see Catalog 5)			
ZB 6 (see Catalog 5)			

## UK universal terminal blocks

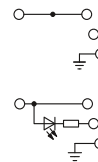
### Three-level and three-conductor actuator terminal blocks with PE foot DOK 1,5...



- Same shape as the three-level initiator terminal blocks DIK ...
- The upper level accommodates the feed-through terminals for the signal line which can be marked
- The middle level supplies the connected actuators with voltage
- Unlike the DIK terminal blocks, the lower level of these output terminal blocks makes direct contact with the DIN rail and as a PE connection they are marked green-yellow
- Convenient bridging of up to 80 terminal blocks with divisible insertion bridges
- The forks of the insertion bridge can be easily loosened for jumping bridging
- Alternate wiring of an actuator followed by an initiator is easy
- Because the spine of the insertion bridge can be snapped into place with the terminal block housing, all the terminal points can be wired freely and the bridge can be securely positioned
- Terminal blocks with LED displays in red and green are available for optical identification of the initiator and actuator wiring
- The component terminal block DOKD 1,5-TG can accommodate the fuse plug or the isolating connector

#### Notes:

- 1) Current and voltage are determined by the plug used.
- 2) LED display: Voltage 15–30 V DC, current 1–2.5 mA
- 3) The corresponding accessory is documented, see page 412.



2.5 (4) mm<sup>2</sup>, 26 A, three-conductor actuator terminal block with PE foot



#### Technical data

Dimensions		Length		Height NS 35/7,5	
		6.2	61.5	54.5	
Max. electrical data		$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		26	250	0.2 - 4	30-14
Rated data		IEC 60947-7-1 / IEC 60947-7-2			
		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/EN 60079-7
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	-	-
Connection capacity		Solid	Stranded	Ferrule	
		without/with plastic sleeve			
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1	0.25 - 1	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V2			

#### Ordering data

Description	No. of pos.	Color
Terminal block, for mounting on NS 35...		gray
Terminal block, with red (RD) LED between the upper and middle levels, for mounting on NS 35... <sup>2)</sup>		gray
Terminal block, with green (GN) LED between the upper and middle levels, for mounting on NS 35... <sup>2)</sup>		gray
Terminal block, with through contacts in the upper and lower levels, for mounting on NS 35...		gray
Basic terminal block, for mounting on NS 35... <sup>3)</sup>		gray

Type	$I_{max}$	Order No.	Pcs. / Pkt.
DOK 1,5		2717016	50
DOK 1,5-LA 24RD/O-M		2717029	50
DOK 1,5-LA 24GN/O-M		2717074	50

Insertion bridge, for middle and lower levels, fully insulated		
	10	gray
	10	red
	10	blue
	80	blue
	80	red
	80	white

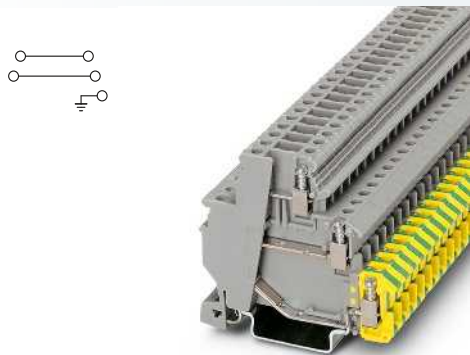
Fixed bridge, insulated	10	silver
Partition plate, 2 mm width		gray

Marker strips, for middle and lower level	
Marking for the upper level	

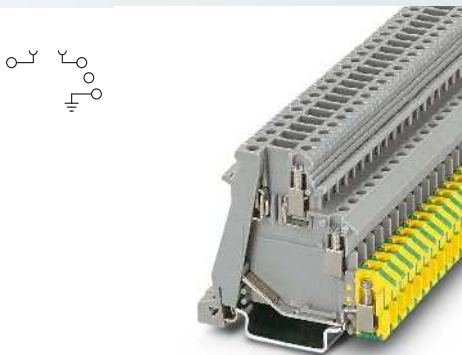
#### Accessories

Type	$I_{max}$	Order No.	Pcs. / Pkt.
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
ATP-DIK 1,5		1413272	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

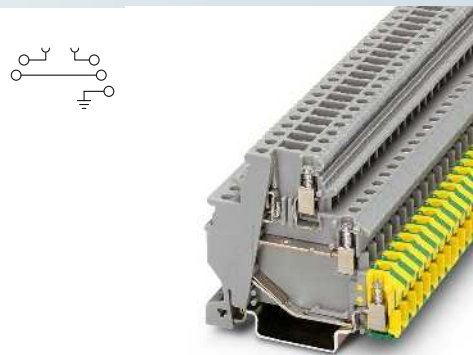
SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)



2.5 (4) mm<sup>2</sup>, 26 A, three-level terminal block with PE foot



2.5 (4) mm<sup>2</sup>, 16 A, three-conductor actuator terminal block with disconnect zone and PE foot



2.5 (4) mm<sup>2</sup>, 26 A, three-level terminal block with disconnect zone and PE foot



Technical data			
Width	Length	Height NS 35/7,5	
6.2	62.5	54.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	250	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	61	54.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16 <sup>1)</sup>	250 <sup>1)</sup>	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
250 <sup>1)</sup>	300	300	-
16 <sup>1)</sup> / 1.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
16 <sup>1)</sup>	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	63	54.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26 <sup>1)</sup>	250 <sup>1)</sup>	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
250 <sup>1)</sup>	300	300	-
24 <sup>1)</sup> / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/EN 60079-7
16 <sup>1)</sup>	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DOK 1,5-2D		2717139	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DOK 1,5-TG		2717113	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DOK 1,5-TG		3011054	50

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIK 1,5		1413272	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

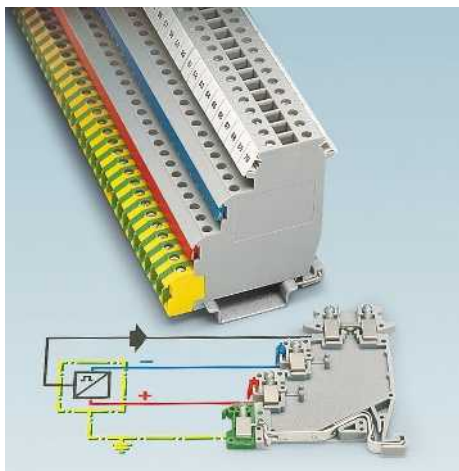
SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

## UK universal terminal blocks

### Four-conductor initiator and actuator terminal blocks VIOK 1,5...



#### VIOK 1,5

- This terminal block is a combination of a DIK ... and DOK ... terminal block where just one terminal block can be used for initiators and actuators
- The upper level accommodates the feed-through terminals for the signal line which can be labeled
- The two middle terminal points supply potential to the initiator
- The PE connection can be found in the lower level

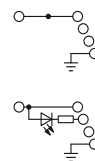
#### VIOK 1,5-2D

- This terminal block has two feed-through levels and two busbar levels
- It is used for programmable or self-monitoring initiators which are additionally controlled via the second feed-through level

#### VIOK 1,5-D/TG/D/PE

- Here a plug division is integrated in the second level from above. Therefore, the positive potential of the initiator can be transmitted via a fuse plug or – for maintenance and test purposes – via an isolating plug

Notes:
1) Current and voltage are determined by the plug used.
2) When using EB insertion bridges, the nominal voltage is reduced to 250 V.
3) The corresponding accessory is documented, see page 412.



2.5 (4) mm<sup>2</sup>, 26 A, four-conductor actuator terminal block with PE foot



Dimensions	
	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
<b>Disconnect level rated data</b>	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Max. cross section with insertion bridge	[mm <sup>2</sup> ]
<b>General data</b>	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Technical data			
Width	Length	Height NS 35/7,5	
6.2	62.5	70	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	250	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	300	300	-
Nominal current / cross section	24 / 2.5	15 / -	-
Rated cross section	2.5	-	-
Cross section range	24 - 12	30-14	28-14
<b>Disconnect level rated data</b>	IEC	UL / CUL	CSA IEC/EN 60079-7
Nominal current / cross section	-	-	-
<b>Connection capacity</b>	Solid	Stranded	Ferrule
			without/with plastic sleeve
1 conductor	0.2 - 4	0.2 - 2.5	0.25 - 2.5 0.25 - 2.5
2 conductors (of the same type)	0.2 - 1	0.2 - 1	0.25 - 1 -
2 stranded conductors with a TWIN ferrule	-	-	- 0.5 - 1
Max. cross section with insertion bridge	4	2.5	- -
<b>General data</b>			
Stripping length	8		
Screw thread	M3		
Tightening torque	0.5 - 0.6		
Insulating material	PA		
Inflammability class according to UL 94	V2		

Description	No. of pos.	Color
<b>Terminal block</b> , for mounting on NS 35...		gray
<b>Terminal block</b> , with red (RD) LED between the upper level and the level below it, for mounting on NS 35...		gray
<b>Terminal block</b> , with green (GN) LED between the upper level and the level below it, for mounting on NS 35...		gray
<b>Terminal block</b> , with two through contacts, for mounting on NS 35...		gray
<b>Terminal block</b> , with three through contacts, for mounting on NS 35...		gray
<b>Basic terminal block</b> , with two through contacts, for mounting on NS 35... <sup>3)</sup>		gray

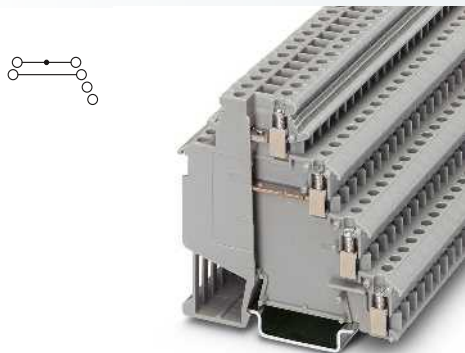
Insertion bridge, for middle and lower levels, fully insulated		
	10	gray
	10	red
	10	blue
	80	blue
	80	red
	80	white
<b>Fixed bridge</b> , insulated		
	10	silver
<b>Partition plate</b> , 2 mm width		gray
<b>Screwdriver</b>		

<b>Marker strips</b> , for middle and lower level
<b>Marking for middle levels</b>
<b>Marking for the upper level</b>

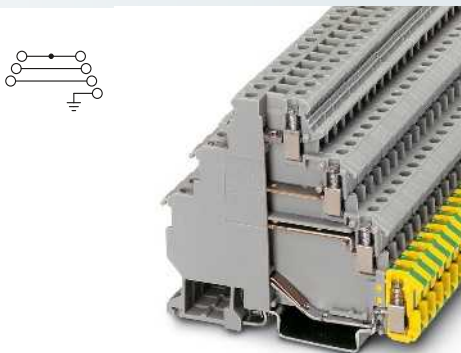
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
VIOK 1,5		2718015	50
VIOK 1,5-LA 24RD/O-MO		2718028	50
VIOK 1,5-LA 24GN/O-MO		2718112	50

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
ATP-DIK 1,5		1413272	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

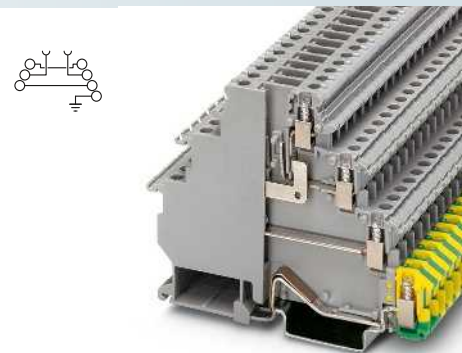
SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)



2.5 (4) mm<sup>2</sup>, 26 A, four-conductor terminal block, both upper levels as feed-through levels



2.5 (4) mm<sup>2</sup>, 26 A, four-level terminal block with PE foot



2.5 (4) mm<sup>2</sup>, 24 A, four-level terminal block with PE foot, disconnect zone in third level



Technical data			
Width	Length	Height NS 35/7,5	
6.2	73	70	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	250	0.2 - 4	30-14
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	82.5	70	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	400 <sup>2)</sup>	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	91.5	70	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24 <sup>1)</sup>	250 <sup>1)</sup>	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
250 <sup>1)</sup>	300	300	-
24 <sup>1)</sup> / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/EN 60079-7
16 / 1.5	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
VIOK 1,5-2D		2718196	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
VIOK 1,5-3D/PE		2718206	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
VIOK 1,5-D/TG/D/PE		3011067	50

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
ATP-DIK 1,5		1413272	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

SK 6,2/3,8 (see Catalog 5)
ZB 6 (see Catalog 5)

SK 6,2/3,8 (see Catalog 5)
ZBF 6 (see Catalog 5)
ZB 6 (see Catalog 5)

# Terminal blocks

## UK universal terminal blocks

### Three and four-level terminal blocks with PE foot SLKK ... and DLK ...



#### Three-level terminal blocks SLKK 5...

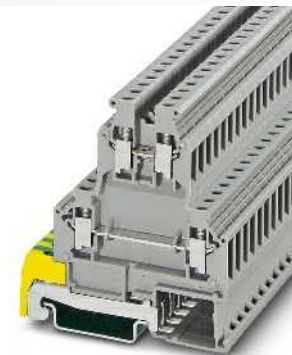
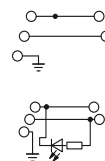
- With two laterally offset feed-through levels and ground connection to the DIN rail which acts as a grounding busbar
- This allows space-saving and systematic wiring of 3-wire conductors
- This is of advantage for controllers with external actuators, solenoid valves, and limit switches
- The SLKK 5-LA...U-O with integrated LED display visually indicates the voltage condition of the lower feed-through level
- The FBI 10-6 fixed bridge is used on the upper level to connect the return lines for the LED displays and the external loads to form a common busbar

#### Four-level terminal blocks DLK ...

- The three-conductor terminal blocks DLK 2,5-PE and DLKB 2,5-PE are particularly suited to wiring three-phase current loads due to their structure with three feed-through levels plus a PE connection
- To reduce the amount of wire used, the DLKB 2,5-PE can also be bridged in the middle and lower levels using the insertion bridges EB...DIK with up to 80 items

#### Notes:

1) The voltage is determined by the LED display (only for SLKK 5-LA...)



4 (4) mm<sup>2</sup>, 34 A, three-level terminal block with PE foot



Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	500 <sup>1)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	34 / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 10
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4
General data		
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.6 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V0

#### Technical data

Width	Length	Height NS 35/7,5	
6.2	66.5	69.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
34	500 <sup>1)</sup>	0.2 - 4	26-10
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
Ferrule			
without/with plastic sleeve			
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-

Description	No. of pos.	Color
<b>Double-level terminal block</b> , with protective conductor foot, for mounting on NS 35...		gray
<b>Double-level terminal block</b> , with protective conductor foot, for mounting on NS 35..., with LED display for 15-30 V AC/DC		gray
With LED display for 30-60 V AC/DC		gray
With LED display for 110-230 V AC/DC		gray
<b>Four-conductor terminal block</b> , for mounting on NS 35...		gray

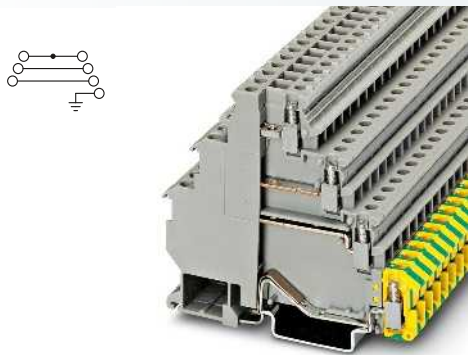
<b>Cover</b> , width 2.5 mm	gray
<b>Spacer cover</b> , compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick	gray
<b>Insertion bridge</b> , for middle and lower levels, fully insulated	
	10 gray
	10 red
	10 blue
	80 blue
	80 red
	80 white
<b>Insertion bridge</b> , insulated	
	2 gray
	3 gray
	10 gray
<b>Fixed bridge</b> , insulated	
	10 silver
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch	
	gray
<b>Screwdriver</b>	
	gray
<b>Lateral groove marking</b>	

#### Ordering data

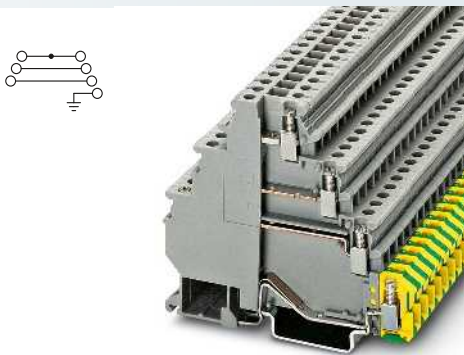
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SLKK 5		0461018	50
SLKK 5-LA 24 RD/U-O		0461021	50
SLKK 5-LA 60 RD/U-O		0461034	50
SLKK 5-LA230		0461047	50

#### Accessories

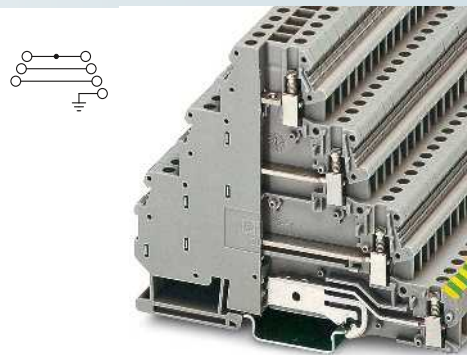
D-UKK 3/5		2770024	50
DG-UKK 3/5		2770817	50
EB 2-6	26 A	0201155	100
EB 3-6	26 A	0201142	100
EB 10-6	26 A	0201139	10
FBI 10-6	32 A	0203250	10
TS-KK 3		2770215	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
<b>ZB 6</b> (see Catalog 5)			



2.5 (4) mm<sup>2</sup>, 26 A, four-level terminal block with PE foot



2.5 (4) mm<sup>2</sup>, 26 A, four-level terminal block with PE foot



4 (6) mm<sup>2</sup>, 34 A, four-level terminal block with PE foot



Technical data			
Width	Length	Height NS 35/7,5	
6.2	83.5	70	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	400	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	83	70	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	400	0.2 - 4	30-14
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	103.5	86.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
34	400	0.2 - 6	30-10
IEC 60947-7-1 / IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
400	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	30-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DLKB 2,5-PE		3011038	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DLK 2,5-PE		3011041	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
DLK 4-PE		3011999	50

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBI 10- 6	26 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBI 10- 6	30 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

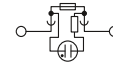
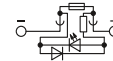
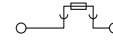
# Terminal blocks

## UK universal terminal blocks

### UK ...-HESI...N fuse/lever-type disconnect terminal blocks

- Compact, space-saving design
- Universal disconnect zone

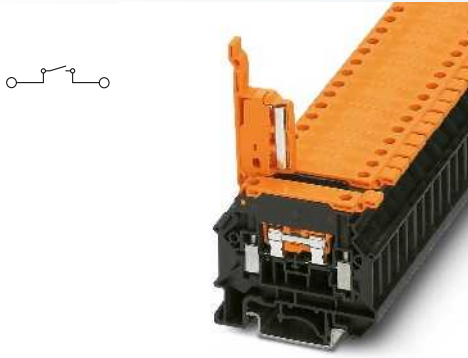
Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



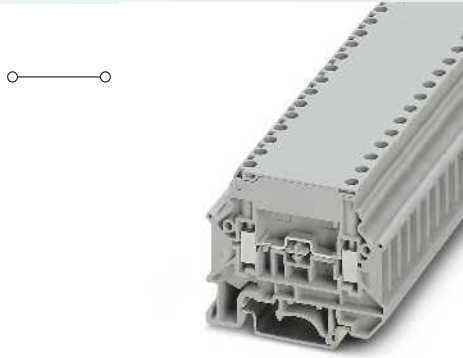
4 (6) mm<sup>2</sup>, 6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses

		Technical data				
<b>Dimensions</b>		Width	Length	Height NS 35/7,5		
	[mm]	<b>8.2</b>	<b>58</b>	<b>50</b>		
<b>Dimensions</b>		Width	Length	Height NS 32		
	[mm]	<b>8.2</b>	<b>58</b>	<b>55</b>		
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
		<b>6.3<sup>2)</sup></b>	<b>500<sup>2)</sup></b>	<b>0.2 - 6</b>	-	
<b>Rated data</b>		IEC 60947-7-3				
		IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500 <sup>2)</sup>	-	-	-	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	6.3 <sup>2)</sup> / 1.5	-	-	-	
Rated cross section	[mm <sup>2</sup> ]	4	-	-	-	
Cross section range	AWG	24 - 10	-	-	-	
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5	
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 2.5	
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	4	-	-	
<b>General data</b>						
Stripping length	[mm]	8				
Screw thread		M3				
Tightening torque	[Nm]	0.6 - 0.8				
Insulating material		PA				
Inflammability class according to UL 94		V0				
		Ordering data				
Description	No. of pos.	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
<b>Fuse terminal block</b> , for mounting on NS 35..., for 5 x 20 cartridge fuse inserts		black	<b>UK 5-HESI N</b>		<b>3000539</b>	50
With LED display for 12 – 30 V AC/DC, 0.7 – 1.95 mA <sup>1)</sup>		black	<b>UK 5-HESILED 24 N</b>		<b>3000540</b>	50
With LED display for 30 – 60 V AC/DC, 0.9 – 1.8 mA <sup>1)</sup>		black	<b>UK 5-HESILED 60 N</b>		<b>3000541</b>	50
With LED display for 110–250 V AC/DC, 0.1–0.5 mA <sup>1)</sup>		black	<b>UK 5-HESILA 250 N</b>		<b>3000542</b>	50
<b>Lever-type disconnect terminal block</b> , same shape as UK 5-HESI N		black/orange				
		gray/orange				
<b>Feed-through terminal block</b> , for mounting on NS 35...		gray				
		Accessories				
<b>Cover</b> , width 2.2 mm		black	<b>D-UK 5-HESI N</b>		<b>3000543</b>	50
<b>Insertion bridge</b> , can be separated, fully insulated						
	2	gray	<b>EBS 2- 8</b>	14 A	<b>3118151</b>	100
	3	gray	<b>EBS 3- 8</b>	14 A	<b>3118148</b>	50
	10	gray	<b>EBS 10- 8</b>	14 A	<b>3118135</b>	10
<b>Screwdriver</b>			<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>	10
<b>Lateral groove marking</b>			<b>UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)</b>			





4 (6) mm<sup>2</sup>, 16 A, lever-type disconnect terminal block, same shape



4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block, same shape



Technical data			
Width	Length	Height NS 35/7,5	
8.2	58	50	
Width	Length	Height NS 32	
8.2	58	55	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16	500	0.5 - 6	26-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	600	-	-
16 / 1.5	16	-	-
4	-	-	-
20 - 10	26-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 4	0.5 - 4	0.5 - 2.5
0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	-
-	-	-	0.5 - 1.5
4	4	-	-
9			
M3			
0.6 - 0.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
8.2	58	40.3	
Width	Length	Height NS 32	
8.2	58	45.3	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	0.2 - 6	20-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UK 5-HEDI N		3000564	50
UK 5-HEDI N GY		3000752	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UK 5-MTD N		3000562	50

Accessories			
D-UK 5-HESI N		3000543	50
EBS 2- 8	14 A	3118151	100
EBS 3- 8	14 A	3118148	50
EBS 10- 8	14 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)			

Accessories			
D-UK 5-HESI N		3000543	50
EBS 2- 8	30 A	3118151	100
EBS 3- 8	30 A	3118148	50
EBS 10- 8	30 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)			

# Terminal blocks

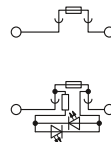
## UK universal terminal blocks

### Lever-type fuse terminal blocks UKK ...-HESI



- Safety lever locked in end position
- Large area for marking
- For 5 mm and 6.3 mm cartridge fuse inserts
- Versions with LED display

Notes:
For further technical notes on power dissipation, refer to page 616.
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



4 (4) mm<sup>2</sup>, 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

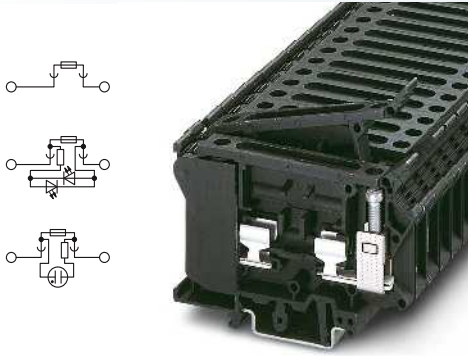


Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	500 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	6.3 <sup>2)</sup> / 1
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 12
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4
General data		
Fuse type / dimensions	- / [mm]	G / 5 x 20 / 5 x 25 / 5 x 30
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data				
Width	Length	Height NS 35/7,5		
8.2	72.5	56.5		
Width	Length	Height NS 32		
8.2	72.5	61.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
6.3 <sup>2)</sup>	500 <sup>2)</sup>	0.2 - 4	26-10	
IEC 60947-7-3				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500 <sup>2)</sup>	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	6.3 <sup>2)</sup> / 1	12 / -	6.3 / -
Rated cross section	[mm <sup>2</sup> ]	4	-	-
Cross section range	AWG	24 - 12	26-10	28-10
Connection capacity				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4	0.25 - 4    0.25 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5    -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	4	-    -
Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
UK 5-HESI		3004100	50	
UK 5-HESILED 24		3004126	50	
UK 5-HESILA 250		3004142	50	
Accessories				
EBS 2- 8	32 A	3118151	100	
EBS 3- 8	32 A	3118148	50	
EBS 10- 8	32 A	3118135	10	
VS		3004207	1	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 8 (see Catalog 5)				

Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 and 5 x 30 mm		black
With LED display for 12-30 V AC/DC		black
With LED display for 110-250 V AC/DC <sup>1)</sup>		black
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black
With LED display for 12-30 V AC/DC <sup>1)</sup>		black
With LED display for 110-250 V AC/DC <sup>1)</sup>		black

Insertion bridge, can be separated, fully insulated		
	2	gray
	3	gray
	10	gray
Connection pin, for coupling several fuse terminal blocks, made of plastic, 1 m long		gray
Screwdriver		
SF-SL 0,6X3,5-100 S-VDE		1212587
Lateral groove marking		
Lever marking		



16 (16) mm<sup>2</sup>, 10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses



**Technical data**

Width	Length	Height NS 35/7,5	
10.2	79	60.5	
Width	Length	Height NS 32	
10.2	79	65.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
10 <sup>2</sup>	500 <sup>2</sup>	0.5 - 16	26-8
IEC 60947-7-3			
IEC	UL	CSA	IEC/ EN 60079-7
500 <sup>2</sup>	600	600	-
10 <sup>2</sup> / 1.5	10 / -	25 / -	-
16	-	-	-
20 - 6	26-8	26-8	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 6
10	10	-	-

G / 6,3 x 32  
12  
M4  
1.2 - 1.5  
PA  
V0

**Ordering data**

Type	$I_{max}$	Order No.	Pcs. / Pkt.
UK 6,3-HESI		3004171	50
UK 6,3-HESILED 24		3004265	50
UK 6,3-HESILA 250		3004249	50

**Accessories**

EB 2-10	63 A	0203153	100
VS		3004207	1
SZS 1,0X4,0 VDE		1205066	10

ZB 10 (see Catalog 5)  
ZB 8 (see Catalog 5)

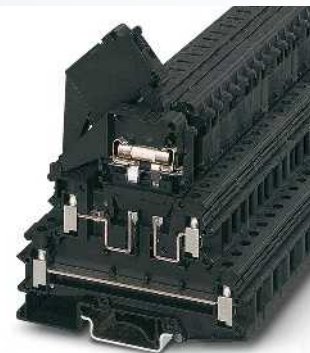
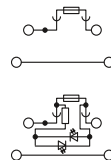
# Terminal blocks

## UK universal terminal blocks

### Double-level terminal blocks with safety levers UKK ...-HESI

- Compact double-level fuse terminal block
- Safety levers and each terminal point can be individually marked
- For 5 mm and 6.3 mm cartridge fuse inserts
- Versions with LED display

Notes:
For further technical notes on power dissipation, refer to page 616.
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



4 (4) mm<sup>2</sup>, 32 A, double-level terminal block with fuse lever for 5 x 20 mm cartridge fuse



Dimensions		
		[mm]
Dimensions		
		[mm]
Max. electrical data		
Rated data lower level		
Rated voltage	[V]	400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>2)</sup> / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 12
Rated data, upper level		
Rated voltage	[V]	400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	6.3 <sup>2)</sup> / 1
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 12
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4
General data		
Fuse type / dimensions	- / [mm]	G / 5 x 20
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data			
Width	Length	Height NS 35/7,5	
8.2	86.5	79	
Width	Length	Height NS 32	
8.2	86.5	84	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2)</sup>	400 <sup>2)</sup>	0.2 - 4	26-10
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	15	-
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	28-10	-
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	15	-
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	28-10	-
Connection capacity		Ferrule	
		without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.25 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.25 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	-

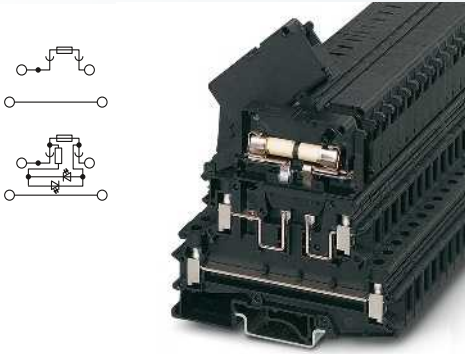
Description	No. of pos.	Color
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20 mm.		black
With LED display for 15-30 V AC/DC, 0.98-2.4 mA <sup>1)</sup>		black
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black
With LED display for 12-30 V DC, 0.31-0.95 mA <sup>1)</sup>		black

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5-HESI (5X20)		3007204	50
UKK 5-HESILED 24 (5X20)		3026654	50

Fixed bridge, insulated	No. of pos.	Color
<b>Insertion bridge</b> , can be separated, fully insulated		
	2	gray
	3	gray
	10	gray
Screwdriver		

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBRI 10-8 N	32 A	2772080	10
EBS 2-8	32 A	3118151	100
EBS 3-8	32 A	3118148	50
EBS 10-8	32 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

<b>Lateral groove marking</b>	ZB 8 (see Catalog 5)
<b>Lever marking</b>	ZBF 8 (see Catalog 5)



4 (4) mm<sup>2</sup>, 32 A, double-level terminal block with fuse lever for 6.3 x 32 mm cartridge fuse



#### Technical data

Width	Length	Height NS 35/7,5	
8.2	86.5	79	
Width	Length	Height NS 32	
8.2	86.5	84	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>2</sup>	400 <sup>2</sup>	0.2 - 4	26-10
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400 <sup>2</sup>	600	300	-
32 <sup>2</sup> / 4	30 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400 <sup>2</sup>	600	300	-
10 <sup>2</sup> / 1.5	15 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-

G / 6,3 x 32  
8  
M3  
0.5 - 0.8  
PA  
V0

#### Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5-HESI (6,3X32)		3007217	50
UKK 5-HESILED 24 (6,3X32)		0711632	50

#### Accessories

Accessories	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBRI 10-8 N	32 A	2772080	10
EBS 2- 8	32 A	3118151	100
EBS 3- 8	32 A	3118148	50
EBS 10- 8	32 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 8 (see Catalog 5)

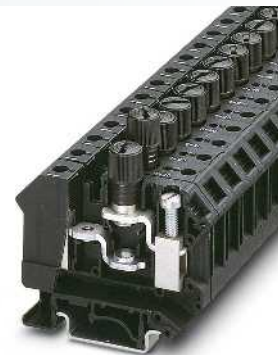
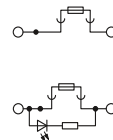
ZBF 8 (see Catalog 5)

## UK universal terminal blocks

### Fuse terminal blocks with screw cap UK 10-DREHSI

- Bridgeable with FBI ... fixed bridge
- Fuse terminal block with screw cap for 5 x 20, 5 x 25 or 6.3 x 32 mm fuse inserts
- Versions with LED display for indicating that a fuse has blown
- When selecting and using cartridge fuse terminal inserts, IEC 60127-6/ DIN EN 60127-6 should be observed
- UK 10-DREHSI/K is suitable for fuse inserts with indicator pins. The transparent screen on the screw cap allows the blown fuse to be quickly identified in these inserts.

Notes:
For further technical notes on power dissipation, refer to page 616.
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



16 (16) mm<sup>2</sup>, 10 A, fuse terminal block for 5 x 20 mm cartridge fuses



Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Max. cross section with insertion bridge	[mm <sup>2</sup> ]
General data	
Fuse type / dimensions	- / [mm]
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

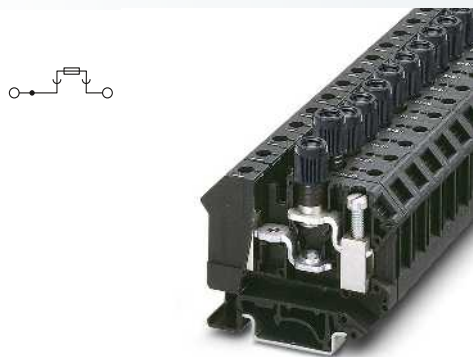
Technical data				
Width	Length	Height NS 35/7,5		
12	62	57.2		
Width	Length	Height NS 32		
12	62	62.2		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
10 <sup>2</sup>	500 <sup>2</sup>	0.5 - 16	24-6	
IEC 60947-7-3				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	500 <sup>2</sup>	300	300	-
Nominal current / cross section	10 <sup>2</sup> ) / 1.5	20 / -	20 / -	-
Rated cross section	16	-	-	-
Cross section range	20 - 6	24-6	22-6	-
Connection capacity		Solid	Stranded	Ferrule
				without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.5 - 16	0.5 - 16	0.5 - 10    0.5 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 4	0.5 - 4	0.5 - 4    -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 10
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	10	10	-    -
General data		G / 5 x 20		
Fuse type / dimensions	- / [mm]	11		
Stripping length	[mm]	M4		
Screw thread		1.5 - 1.8		
Tightening torque	[Nm]	PA		
Insulating material		V0		

Description	No. of pos.	Color
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25, 6.3 x 32 mm		black
.../K with indicator pin		black
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 5 – 15 V DC <sup>1)</sup>		black
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 15 – 30 V DC <sup>1)</sup>		black
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 30 – 60 V DC <sup>1)</sup>		black
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 110 – 250 V DC <sup>1)</sup>		black

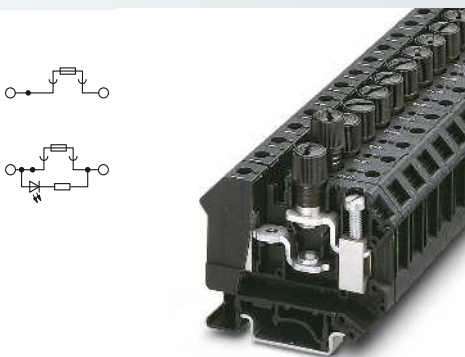
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 10-DREHSI (5X20)		3005109	50
UK 10-DREHSILED 12 (5X20)		3005112	50
UK 10-DREHSILED 24 (5X20)		3005138	50
UK 10-DREHSILED 60 (5X20)		3005154	50
UK 10-DREHSILA 250 (5X20)		3005170	50

Accessories		
<b>Fixed bridge</b> , insulated	10	silver
<b>Insertion bridge</b> , fully insulated		
<b>Test socket</b> , for test connection with test plug PS	10	gray silver
<b>Test socket</b> , insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent
Screwdriver		
<b>Lateral groove marking</b>		

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBI 10-12	63 A	0203454	10
EB 10-12	63 A	3006137	10
PSB 4/7/6		0303299	10
PSBJ 4/15/6 FARBLOS		0303419	10
SZS 1,0X4,0 VDE		1205066	10
ZB 6 (see Catalog 5)			



16 (16) mm<sup>2</sup>, 10 A, fuse terminal block for  
5 x 25 mm cartridge fuses with indicating pin



16 (16) mm<sup>2</sup>, 10 A, fuse terminal block for  
6.3 x 32 mm cartridge fuses

ERIC KEMA CB

ERIC KEMA CB CCA

Technical data			
Width	Length	Height NS 35/7,5	
12	62	57.2	
Width	Length	Height NS 32	
12	62	62.2	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
10 <sup>2</sup> )	500 <sup>2</sup> )	0.5 - 16	24-6
IEC 60947-7-3			
IEC	UL	CSA	IEC/ EN 60079-7
500 <sup>2</sup> )	300	-	-
10 <sup>2</sup> ) / 1.5	20 / -	-	-
16	-	-	-
20 - 6	24-6	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 10
10	10	-	-
G / 5 x 25			
11			
M4			
1.5 - 1.8			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
12	62	57.2	
Width	Length	Height NS 32	
12	62	62.2	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
10 <sup>2</sup> )	400 <sup>2</sup> )	0.5 - 16	24-6
IEC 60947-7-3			
IEC	UL	CSA	IEC/ EN 60079-7
400 <sup>2</sup> )	300	300	-
10 <sup>2</sup> ) / 1.5	20 / -	20 / -	-
16	-	-	-
20 - 6	24-6	22-6	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 10
10	10	-	-
G / 6,3 x 32			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UK 10-DREHSI/K (5X25)		3005688	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UK 10-DREHSI (6,3X32)		3005507	50
UK 10-DREHSILED 24 (6,3X32)		3005646	50
UK 10-DREHSILA 250 (6,3X32)		3005662	50

Accessories			
FBI 10-12	63 A	0203454	10
EB 10-12	63 A	3006137	10
PSB 4/7/6		0303299	10
PSBJ 4/15/6 FARBLOS		0303419	10
SZS 1,0X4,0 VDE		1205066	10
ZB 6 (see Catalog 5)			

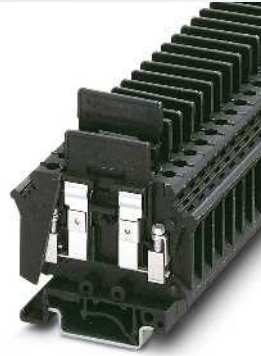
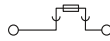
Accessories			
FBI 10-12	63 A	0203454	10
PSB 4/7/6		0303299	10
PSBJ 4/15/6 FARBLOS		0303419	10
SZS 1,0X4,0 VDE		1205066	10
ZB 6 (see Catalog 5)			

# Terminal blocks

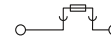
## UK universal terminal blocks

### UK-SI and USIG fuse terminal blocks

– In the case of the UK-SI fuse terminal block, the cartridge fuse-links are connected with the integrated connector in the terminal block



4 (4) mm<sup>2</sup>, 6.3 A, fuse terminal block for 5 x 20 mm and 5 x 25 mm cartridge fuses



16 (16) mm<sup>2</sup>, 40 A, basic fuse terminal block for cartridge fuse plugs and isolating plugs

<b>Notes:</b>
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.
For further technical notes on power dissipation, refer to page 616.
<b>Attention:</b>
The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts.
For more insertion bridges, visit phoenixcontact.net/products



Dimensions		[mm]	
<b>Dimensions</b>			
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	400 <sup>2)</sup>	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	6.3 <sup>2)</sup> / 1	10 / -
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	24 - 12	28-12
<b>Connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
<b>General data</b>			
Fuse type / dimensions	- / [mm]	G / 5 x 20 / 5 x 25	
Stripping length	[mm]	9	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
8.2	59.5	58	
Width	Length	Height NS 32	
8.2	59.5	63	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
6.3 <sup>2)</sup>	400 <sup>2)</sup>	0.2 - 4	28-12
IEC 60947-7-3	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	10 / -	-
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	24-14	-
<b>Connection capacity</b>			
	Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	0.2 - 4	0.2 - 4	0.25 - 4 0.25 - 4
2 conductors (of the same type)	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 -
2 stranded conductors with a TWIN ferrule	-	-	- 0.5 - 2.5
<b>General data</b>			
Fuse type / dimensions	- / [mm]	G / 5 x 20 / 5 x 25	
Stripping length	[mm]	9	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
10.2	61	51.6	
Width	Length	Height NS 32	
10.2	61	56.6	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
40 <sup>2)</sup>	500 <sup>2)</sup>	0.5 - 16	18-8
IEC 60947-7-3	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	40 / -	40 / -
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	20 - 6	18-8 24-8
<b>Connection capacity</b>			
	Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	0.5 - 16	0.5 - 16	0.5 - 16 0.5 - 10
2 conductors (of the same type)	0.5 - 4	0.5 - 6	0.5 - 6 -
2 stranded conductors with a TWIN ferrule	-	-	- 0.5 - 6
<b>General data</b>			
Fuse type / dimensions	- / [mm]	G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32	
Stripping length	[mm]	13	
Screw thread		M4	
Tightening torque	[Nm]	1.5 - 1.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Description	No. of pos.	Color
<b>Fuse terminal block</b> , for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 mm		black
		blue
<b>Basic fuse terminal block</b> , for mounting on NS 32... or NS 35...		black
		blue

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK-SI		3118012	50
UK-SI BU		3118096	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USIG		0920083	50
USIG BU		0920122	50

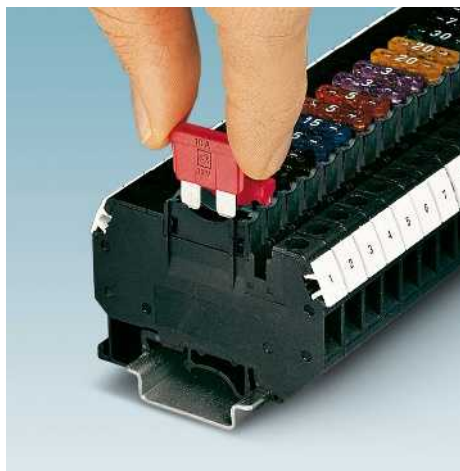
Accessories		
<b>Insertion bridge, insulated</b>	10	gray
<b>Isolating plug</b>		
<b>Fuse plug</b> , for G fuse inserts, 6.3 x 32 mm, nominal voltage 440 V		black
<b>Fuse plug</b> , with LED display, for cartridge fuse inserts 6.3 x 32 mm, nominal voltage 440 V <sup>1)</sup> for 15 - 30 V AC/DC, 3.2 - 7.5 mA		black
for 110 - 250 V AC/DC, 0.1 - 0.9 mA		black
<b>Fuse plug</b> , for cartridge fuse inserts 5 x 20, 5 x 25, 5 x 30 mm		black
<b>Fuse plug</b> , for G fuse inserts 5 x 20, 5 x 25, 5 x 30 mm, with LED display for 15 - 30 V AC/DC, 3.2 - 7.5 mA, I <sub>max</sub> 6.3 A <sup>1)</sup>		black
for 110 - 250 V AC/DC, 0.1 - 0.9 mA, I <sub>max</sub> 6.3 A		black
<b>Separating disk</b> , 0.8 mm wide		gray
<b>Screwdriver</b>		
<b>LF 8</b>		
<b>LF 10</b>		

Accessories			
EBS 10-8	32 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 8 (see Catalog 5)			

Accessories			
EB 10-10	76 A	0203137	10
ST-T	40 A	0920216	50
ST 1-SI	10 A	0920326	50
ST 1-SILED 24	10 A	0920384	50
ST 1-SILA 250	10 A	0920397	50
ST-SI	6.3 A	0920229	50
ST-SILED 24		0920452	50
ST-SILA250		0920287	50
ATS-GSK		0304227	50
SZS 1,0X4,0 VDE		1205066	10
ZB 10 (see Catalog 5)			

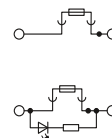


## Fuse terminal block UK 6-FSI/C, for type C flat-type fuses



- Compact fuse terminal block for type C automatic flat-type fuses
- Available with LED display for rapid error diagnostics
- Bridgeable with FBI ... fixed bridge
- Large marking option of every terminal point
- Can be used as the basic terminal block for thermal circuit breaker TCP.../DC32V; see Catalog 6
- Type F auto flat-type fuse terminal blocks are also available in the section entitled "PT... push-in connection terminal blocks"

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) For derating curve, visit phoenixcontact.net/products
3) The current and voltage are determined by the fuse.
For corresponding fuse inserts, see Catalog 6.
The recommended continuous load capacity of the fuse inserts according to DIN 72581/Part 3 is max. 80 percent of their nominal current (at an ambient temperature of 23°C)



6 (10) mm<sup>2</sup>, 30 A, fuse terminal block for type C flat-type fuses



Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	250 <sup>3)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 <sup>1)</sup> / 4
Rated cross section	[mm <sup>2</sup> ]	6
Cross section range	AWG	24 - 8
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
General data		
Fuse type / dimensions	- / [mm]	C
Stripping length	[mm]	10
Screw thread		M4
Tightening torque	[Nm]	1.5 - 1.6
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data			
Width	Length	Height NS 35/7,5	
8.2	64	53.8	
Width	Length	Height NS 32	
8.2	64	58.8	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30 <sup>2)</sup>	250 <sup>3)</sup>	0.2 - 10	26-8
IEC	UL	CSA	IEC/EN 60079-7
250 <sup>3)</sup>	300	32	-
30 <sup>1)</sup> / 4	30 / -	30 / -	-
6	-	-	-
24 - 8	26-8	26-8	-
Solid		Stranded	
		Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
-	-	-	0.5 - 4

Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 32... or NS 35...		black
Fuse terminal block, for mounting on NS 32... or NS 35..., with LED for 12 V DC, 1.7 mA <sup>1)</sup>		black
With LED display for 24 V DC, 1.9 mA <sup>1)</sup>		black

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 6-FSI/C		3118203	50
UK 6-FSI/C-LED12		3001925	50
UK 6-FSI/C-LED24		3001938	50

Fixed bridge, insulated	10	silver
Insertion bridge, fully insulated	2	gray
	3	gray
	4	gray
	10	gray
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Screwdriver		
Lateral groove marking		

Accessories			
FBI 10- 8	34 A	0203263	10
EB 2- 8	57 A	0202154	100
EB 3- 8	57 A	0202141	100
EB 4- 8	57 A	0202142	100
EB 10- 8	57 A	0202138	10
ISSBI 10- 8	38 A	0301534	10
IS-K 10		1303337	100
TS-KK 3		2770215	50
SZS 1,0X4,0 VDE		1205066	10
ZB 8 (see Catalog 5)			



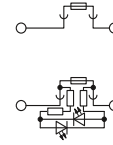
# Terminal blocks

## UK universal terminal blocks

### UKK ...-HESI lever-type fuse terminal blocks

- The UK ...-HESI fuse terminal blocks are used to accommodate fuse inserts that are mainly used in the USA
- 56-pos. insertion bridges and insertion bridges for three phases are available
- LED display indicates that a fuse has blown
- When selecting and using cartridge fuse terminal blocks and inserts, IEC 60127-6/ DIN EN 60127-6 should be adhered to

Notes:
For detailed information on applications and power dissipation data, see phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.



16 (25) mm<sup>2</sup>, 32 A, lever-type fuse terminal block for 10.3 x 38 mm midget fuses



Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Max. cross section with insertion bridge	[mm <sup>2</sup> ]
General data	
Fuse type / dimensions	- / [mm]
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

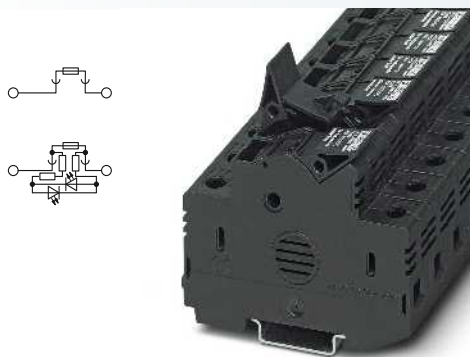
Technical data					
Width	Length	Height NS 35/7,5			
18	81	65.5			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)		
32 <sup>2)</sup>	690 <sup>2)</sup>	1.5 - 25	18-3		
IEC 60947-1/-3					
IEC	UL	CSA	IEC/EN 60079-7		
Rated voltage	690 <sup>2)</sup>	600	600	-	
Nominal current / cross section	32 <sup>2)</sup> / 16	30 / -	30 / -	-	
Rated cross section	16	-	-	-	
Cross section range	16 - 4	18-3	18-3	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	1.5 - 25	1.5 - 16	1.5 - 16 1.5 - 16	
2 conductors (of the same type)	[mm <sup>2</sup> ]	1.5 - 4	1.5 - 4	1.5 - 4 -	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	1.5 - 10	
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	10	10	-	
General data		Fuse type / dimensions	Midget / 10.3 x 38		
Stripping length	[mm]		12		
Screw thread			M5		
Tightening torque	[Nm]		2.5 - 3		
Insulating material			PA		
Inflammability class according to UL 94			V0		

Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 35..., for 10.3 x 38 mm midget fuse inserts, 690 V AC/440 V DC		black
With LED display <sup>1)</sup>		black
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS CC 10.3 x 38 mm		black
		black

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 10,3-HESI N		3048386	10
UK 10,3-HESILED N 690		3048399	10

Insertion bridge, can be separated, insulated spine		
1-phase	2	gray
1-phase	3	gray
1-phase	56	gray
3-phase	56	gray
Partition plate, 2 mm wide		gray
Connection pin, for connecting several fuse terminal blocks, 2-pos.		black
3-pos.		black
Screwdriver		
Center groove marking		

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
EB 2-18	76 A	3009300	50
EB 3-18	76 A	3009305	50
EB 56-18	76 A	3009299	5
EB 56-18/L1-L2-L3	76 A	3009367	5
TPN-UK		3003062	10
VS-UK 10,3-HESI N 2POL		3048532	10
VS-UK 10,3-HESI N 3POL		3048409	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZBF 10 (see Catalog 5)			



25 (25) mm<sup>2</sup>, 30 A, lever-type fuse terminal block for CLASS CC 10.3 x 38 mm



**Technical data**

Width	Length	Height NS 35/7,5	
18	81	65.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30 <sup>2</sup> )	600 <sup>2</sup> )	1.5 - 25	-
IEC	UL	CSA	IEC/ EN 60079-7
600 <sup>2</sup> )	-	600	-
32 <sup>2</sup> ) / 25	-	30 / -	-
25	-	-	-
16 - 4	-	18-4	-
Solid	Stranded	Ferrule without/with plastic sleeve	
1.5 - 25	1.5 - 25	1.5 - 16	1.5 - 16
1.5 - 4	1.5 - 4	1.5 - 4	-
-	-	-	1.5 - 10
10	10	-	-
Class CC			
12			
M5			
2.5 - 3			
PA			
V0			

**Ordering data**

Type	$I_{max}$	Order No.	Pcs. / Pkt.
UK 10,3-CC HESI N		3048580	10
UK 10,3-CC HESILED N 600		3048616	10

**Accessories**

EB 2-18	76 A	3009300	50
EB 3-18	76 A	3009305	50
EB 56-18	76 A	3009299	5
EB 56-18/L1-L2-L3	76 A	3009367	5
TPN-UK		3003062	10
VS-UK 10,3-HESI N 2POL		3048532	10
VS-UK 10,3-HESI N 3POL		3048409	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZBF 10 (see Catalog 5)			

# Terminal blocks

## UK universal terminal blocks

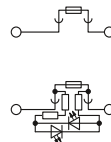
### UK 10,3-HESI 1000V lever-type terminal blocks for photovoltaics

- Terminal blocks for protecting PV strings
- Particularly suitable for protecting monocrystalline and polycrystalline modules
- Suitable for standard 10.3 x 38 mm fuse inserts with gPV characteristic
- Electric strength up to 1000 V DC
- LED display indicates that a fuse has blown
- The spacers are used for improved heat dissipation, particularly when installing the fuse terminal blocks in compact control boxes

### Fuses

- Special fuses with ultra-rapid PV characteristic (gPV)
- Use in PV strings with a nominal voltage of up to 1000 V DC
- Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Notes:
For tools for stripping and crimping solar cables and connectors, see Catalog 5.
For disconnect terminal blocks with 1000 V and diode terminal blocks STME ... HV see page 195.
For detailed information on PV applications and power dissipation data, see phoenixcontact.net/products
For further fuse inserts with UL approval, see phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.



25 (25) mm<sup>2</sup>, 30 A, 1000 V, lever-type fuse terminal block for midget fuses 10.3 x 38 mm

ERIC

Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	1000 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 <sup>2)</sup> / 16
Rated cross section	[mm <sup>2</sup> ]	25
Cross section range	AWG	16 - 3
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	1.5 - 25
2 conductors (of the same type)	[mm <sup>2</sup> ]	1.5 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	10
General data		
Fuse type / dimensions	- / [mm]	Midget / 10.3 x 38
Stripping length	[mm]	11
Screw thread		M5
Tightening torque	[Nm]	2 - 2.5
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data				
Width	Length	Height NS 35/7.5		
18	81	65.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
30 <sup>2)</sup>	1000 <sup>2)</sup>	0.75 - 25	-	
IEC 60269-1/-2				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage				
1000 <sup>2)</sup>	-	-	-	-
Nominal current / cross section				
30 <sup>2)</sup> / 16	-	-	-	-
Rated cross section				
25	-	-	-	-
Cross section range				
16 - 3	-	-	-	-
Connection capacity		Ferrule		
		without/with plastic sleeve		
Solid	Stranded			
1.5 - 25	0.75 - 25	1.5 - 16	1.5 - 16	
1.5 - 4	0.75 - 10	1.5 - 4	-	
-	-	-	1.5 - 10	
Max. cross section with insertion bridge				
10	10	-	-	
General data				
Fuse type / dimensions	- / [mm]	Midget / 10.3 x 38		
Stripping length	[mm]	11		
Screw thread		M5		
Tightening torque	[Nm]	2 - 2.5		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Description	No. of pos.	Color
Fuse terminal block, for mounting on NS 35..., for midget fuse inserts 10.3 x 38 mm <sup>1)</sup>		black
With LED for 400 - 1000 V DC		black
Midget fuse, 10.3 x 38 mm, nominal current: 2 A		white
Nominal current: 4 A		white
Nominal current: 6 A		white
Nominal current: 8 A		white
Nominal current: 10 A		white
Nominal current: 12 A		white
Nominal current: 16 A		white
Nominal current: 20 A		white

Insertion bridge, can be separated, insulated spine		
1-phase	2	gray
1-phase	3	gray
1-phase	56	gray
Spacer for neighboring fuse terminal block		white
Partition plate, 2 mm wide		gray
Connection pin, for connecting several fuse terminal blocks, 2-pos.		black
3-pos.		black
Screwdriver		
Center groove marking		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 10,3-HESI 1000V		3211236	10
UK 10,3 HESILED 1000V		3211249	10

Accessories			
EB 2-18	76 A	3009300	50
EB 3-18	76 A	3009305	50
EB 56-18	76 A	3009299	5
DP-UK 10,3-HESI		3211238	100
TPN-UK		3003062	10
VS-UK 10,3-HESI N 2POL		3048532	10
VS-UK 10,3-HESI N 3POL		3048409	10
SF-SL 0,6X3,5-10 S-VDE		1212587	10
ZBF 16 (see Catalog 5)			



10.3 x 38 mm midget fuse inserts, 2 A – 20 A

Technical data			
Width	Length	Height NS 35/7,5	
10	38	-	
		Max. Ø [mm²]	AWG (UL)
		-	-
IEC 60269-6			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
FUSE 10,3X38 2A PV	3061295	10
FUSE 10,3X38 4A PV	3061305	10
FUSE 10,3X38 6A PV	3061318	10
FUSE 10,3X38 8A PV	3061321	10
FUSE 10,3X38 10A PV	3061334	10
FUSE 10,3X38 12A PV	3061347	10
FUSE 10,3X38 16A PV	3061350	10
FUSE 10,3X38 20A PV	3061363	10

Accessories	

# Terminal blocks

## UK universal terminal blocks

### UK screw connection - lever-type fuse terminal block for photovoltaics, 1500 V

#### Fuse terminal block

- Terminal block for protecting PV strings
- Particularly suitable for protecting monocrystalline and polycrystalline modules
- Suitable for standard 10.3 x 85 mm fuse inserts with gPV characteristic
- Electric strength up to 1500 V DC
- Generous marking options for the unique identification of lines

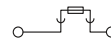
#### Fuses

- Special fuses with ultra-rapid PV characteristic (gPV)
- Use in PV strings with a nominal voltage of up to 1500 V DC
- Safe shutdown even in the event of short-circuit currents that are just above the nominal current

#### Diode terminal blocks

- For diode terminal blocks for protecting PV strings, see page 144

<b>Notes:</b>
The rated voltage is 1250 V and the maximum operating voltage is 1500 V.
Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.
For tools for stripping and crimping solar cables and connectors, see Catalog 5.
For detailed information on applications and power dissipation data, see phoenixcontact.net/products
<sup>1)</sup> The current and voltage are determined by the fuse.
<sup>2)</sup> Maximum operating voltage 1500 V.



25 (25) mm<sup>2</sup>, 32 A, 1500 V, lever-type fuse terminal block

<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
<b>General data</b>	
Fuse type / dimensions	- / [mm]
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	

ERC

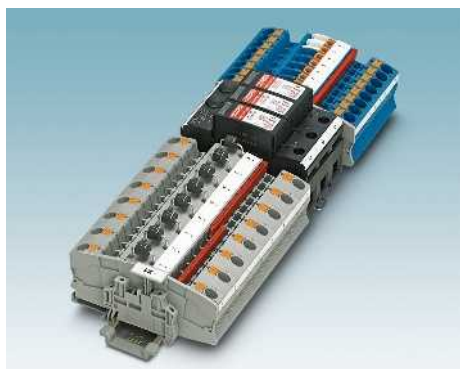
Technical data				
Width	Length	Height NS 35/7,5		
23	130	65.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32 <sup>1)</sup>	1500 <sup>2)</sup>	0.75 - 25	-	
IEC 60269-1/-2				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	1500 <sup>2)</sup>	-	-	-
Nominal current / cross section	32 <sup>1)</sup> / 16	-	-	-
Rated cross section	25	-	-	-
Cross section range	18 - 3	-	-	-
<b>Connection capacity</b>	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	1.5 - 25	0.75 - 25	1.5 - 16	1.5 - 16
2 conductors (of the same type)	1.5 - 4	0.75 - 10	1.5 - 4	-
2 stranded conductors with a TWIN ferrule	-	-	-	1.5 - 10
<b>General data</b>	gG / gPV / 10.3 x 85			
Fuse type / dimensions	- / [mm]			
Stripping length	11 [mm]			
Screw thread	M5			
Tightening torque	2.5 - 2.5 [Nm]			
Insulating material	PA			

Description	Color
Fuse terminal block, for mounting on NS 35..., for 10 x 85 mm cartridge fuse inserts	black
Midget fuse, 10.3 x 85 mm, 1500 V, nominal current: 2 A	white
Nominal current: 4 A	white
Nominal current: 6 A	white
Nominal current: 8 A	white
Nominal current: 10 A	white
Nominal current: 12 A	white
Nominal current: 16 A	white
Midget fuse, 10.3 x 85 mm, 1200 V, nominal current: 20 A	white
Nominal current: 25 A	white

Ordering data		
Type	Order No.	Pcs. / Pkt.
UK 10,3-HESI 1500V	3062760	5

Partition plate, 2 mm wide	gray
Screwdriver	
Center groove marking	

Accessories		
TPN-UK	3003062	10
SF-SL 0,6X3,5-100 S-VDE	1212587	10
EML (16,5X5)R (see Catalog 5)		





Fuse insert, 10.3 x 85 mm, 2 - 16 A, 1500 V



Fuse insert, 10.3 x 85 mm, 20 - 25 A, 1200 V

Technical data			
Width	Length	Height NS 35/7,5	
10	85	-	
	$U_{max.}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	1500	-	-
IEC 60269-6			
IEC	UL	CSA	IEC/ EN 60079-7
1500	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Technical data			
Width	Length	Height NS 35/7,5	
10	85	-	
	$U_{max.}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	1200	-	-
IEC 60269-6			
IEC	UL	CSA	IEC/ EN 60079-7
1200	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
FUSE 10,3X85 2A PV	3062766	10
FUSE 10,3X85 4A PV	3062767	10
FUSE 10,3X85 6A PV	3062768	10
FUSE 10,3X85 8A PV	3062769	10
FUSE 10,3X85 10A PV	3062770	10
FUSE 10,3X85 12A PV	3062771	10
FUSE 10,3X85 16A PV	3062772	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
FUSE 10,3X85 20A PV	3062773	10
FUSE 10,3X85 25A PV	3062774	10

Accessories	

Accessories	

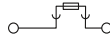
# Terminal blocks

## UK universal terminal blocks

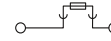
### Fuse terminal blocks for NEOZED® fuse-links USEN...

- These fuse terminal blocks are designed for NEOZED® fuses
- The NEOZED® system features an impressive high current-carrying capacity

<b>Notes:</b>
1) Current carrying capacity of the insertion bridges in the case of center infeed: 120 A
NEOZED® and DIAZED® are registered trademarks of Siemens AG.



35 (35) mm<sup>2</sup>, 16 A, fuse terminal block for NEOZED D 01 (E14)



35 (35) mm<sup>2</sup>, 63 A, fuse terminal block for NEOZED D 02 (E18)



Technical data				
Width	Length	Height		
27	82.7	71.9		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	400	1.5 - 35	-	
IEC	UL	CSA	IEC/EN 60079-7	
400	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]	16 / 35			
Rated cross section [mm <sup>2</sup> ]	35			
Cross section range AWG	16 - 2			
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
1 conductor [mm <sup>2</sup> ]	1.5 - 10	1.5 - 10	1.5 - 10	-
2 conductors (of the same type) [mm <sup>2</sup> ]	-	-	-	1.5 - 10
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	25	25	-	-
Max. cross section with insertion bridge [mm <sup>2</sup> ]	-			
<b>General data</b>				
Fuse type / dimensions	D 01 / E 14			
Stripping length [mm]	19			
Screw thread	M6			
Tightening torque [Nm]	3.5 - 4			
Insulating material	Duroplast			
Inflammability class according to UL 94	V0			



Technical data				
Width	Length	Height		
27	84	75		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
63	400	1.5 - 35	-	
IEC	UL	CSA	IEC/EN 60079-7	
400	-	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]	63 / 35			
Rated cross section [mm <sup>2</sup> ]	35			
Cross section range AWG	16 - 2			
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
	1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25
1 conductor [mm <sup>2</sup> ]	1.5 - 10	1.5 - 10	1.5 - 10	-
2 conductors (of the same type) [mm <sup>2</sup> ]	-	-	-	1.5 - 10
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	25	25	-	-
Max. cross section with insertion bridge [mm <sup>2</sup> ]	-			
<b>General data</b>				
Fuse type / dimensions	D 02 / E 18			
Stripping length [mm]	19			
Screw thread	M6			
Tightening torque [Nm]	3.5 - 4			
Insulating material	Duroplast			
Inflammability class according to UL 94	V0			

Ordering data			
Description	No. of pos.	Color	
Fuse element, incl. screw cap, for mounting on NS 35...		light gray	
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USEN 14 N		3048357	10

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USEN 18 N		3048360	10

Accessories				
Insertion bridge, can be separated, insulated spine				
1-phase	36	gray	EB 36-27	65 A <sup>1)</sup> 3009341 1
3-phase	36	gray	EB 36-27/L1-L2-L3	65 A <sup>1)</sup> 3009354 1
NEOZED®special spring, or use of fuse inserts D 01 in screw caps D 02 (on request), for 2 - 16 A		silver		
NEOZED® fuse inserts according to DIN 49522 400 V AC / 250 V DC		pink	S 2 A/380 V	0913016 10
		brown	S 4 A/380 V	0913029 10
		green	S 6 A/380 V	0913032 10
		red	S 10 A/380 V	0913045 10
		gray	S 16 A/380 V	0913058 10
		blue		
		yellow		
		black		
		white		
		copper-colored		
Screwdriver			SZS 1,0X6,5 VDE	1205079 10
Marker carrier, SS-ZB contactor marking Zack marker strip		black	MA 20X 8 BK	0814270 100
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label		white	SS-ZB WH	5031171 50
Lettering field size: 20 x 8 mm		yellow	SS-ZB YE	5031650 50

Accessories				
Insertion bridge, can be separated, insulated spine				
1-phase	36	gray	EB 36-27	65 A <sup>1)</sup> 3009341 1
3-phase	36	gray	EB 36-27/L1-L2-L3	65 A <sup>1)</sup> 3009354 1
NEOZED®special spring, or use of fuse inserts D 01 in screw caps D 02 (on request), for 2 - 16 A		silver	SH-SE 14/18	0913317 50
NEOZED® fuse inserts according to DIN 49522 400 V AC / 250 V DC		pink	S 2 A/380 V	0913016 10
		brown	S 4 A/380 V	0913029 10
		green	S 6 A/380 V	0913032 10
		red	S 10 A/380 V	0913045 10
		gray	S 16 A/380 V	0913058 10
		blue	S 20 A/380 V	0913061 10
		yellow	S 25 A/380 V	0913074 10
		black	S 35 A/380 V	0913087 10
		white	S 50 A/380 V	0913090 10
		copper-colored	S 63 A/380 V	0913100 10
Screwdriver			SZS 1,0X6,5 VDE	1205079 10
Marker carrier, SS-ZB contactor marking Zack marker strip		black	MA 20X 8 BK	0814270 100
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label		white	SS-ZB WH	5031171 50
Lettering field size: 20 x 8 mm		yellow	SS-ZB YE	5031650 50



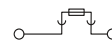
## Fuse terminal blocks for DIAZED® fuse inserts USED ...



- This fuse terminal block accommodates DIAZED® fuses
- The major advantage of the DIAZED® system is its electric strength of up to 500 V
- Original DIAZED®-E 27 threads are used in closed housings
- Conductor cross sections of up to 35 mm<sup>2</sup> can be connected with the convenient spring-cage connection

### Notes:

NEOZED® and DIAZED® are registered trademarks of Siemens AG.



35 (35) mm<sup>2</sup>, 25 A, fuse terminal block for DIAZED D II (E27)



### Technical data

Dimensions		Width	Length	Height		
		40	80	62.5		
Max. electrical data		$I_{max}$ [A]	$U_{max}$ [V]	Max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
		25	500	1.5 - 35	-	
Rated data		IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage		500	-	-	-	
Nominal current / cross section		25 / 35	-	-	-	
Rated cross section		35	-	-	-	
Cross section range		16 - 2	-	-	-	
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve		
1 conductor		1.5 - 35	1.5 - 35	1.5 - 25	1.5 - 25	
2 conductors (of the same type)		1.5 - 10	1.5 - 10	1.5 - 10	-	
2 stranded conductors with a TWIN ferrule		-	-	-	1.5 - 10	
Max. cross section with insertion bridge		25	25	-	-	
General data		D II / E 27				
Fuse type / dimensions		- / [mm]				
Stripping length		19 [mm]				
Screw thread		M6				
Tightening torque		3.5 - 4 [Nm]				
Insulating material		Duroplast				
Inflammability class according to UL 94		V0				

### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Fuse element, incl. screw cap, for mounting on NS 35...	light gray	USED 27 N	3048373	5

### Accessories

DIAZED® fuse inserts according to DIN 49360 and DIN 49515 500 V AC / 250 V DC	pink	S-II- 2 A/500 V	0913605	5
	brown	S-II- 4 A/500 V	0913618	5
	green	S-II- 6 A/500 V	0913621	5
	red	S-II-10 A/500 V	0913634	5
	gray	S-II-16 A/500 V	0913647	5
	blue	S-II-20 A/500 V	0913650	5
	yellow	S-II-25 A/500 V	0913663	5
Screwdriver		SZS 1,0X6,5 VDE	1205079	10
Marker carrier, SS-ZB contactor marking Zack marker strip	black	MA 20X 8 BK	0814270	100
Marker tags, 5-section, unprinted, marking with X-PEN, B-STIFT, plotter or BKMT 20 x 8 label	white	SS-ZB WH	5031171	50
Lettering field size: 20 x 8 mm	yellow	SS-ZB YE	5031650	50

# Terminal blocks

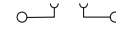
## UK universal terminal blocks

### Disconnect terminal blocks



- Disconnect terminal block with universal disconnect zone for accommodating fuse plugs, component connectors, and isolating plugs
- Overall width of just 6.2 mm
- The terminal blocks are available in different basic forms
- Mini-strip terminal blocks MBK 5
- Universal terminal blocks UK 5 N
- Double terminal blocks UDK 4
- Double-level terminal blocks UKK 5

Notes:
Three or four-conductor basic actuator terminal blocks DOK 1,5-TG, DOKD 1,5-TG and VIOK 1,5-D/TG/D/PE with disconnect function can be found on page 387 onwards.
For fuse, component and isolating plugs, see page 412.
1) The current and voltage are determined by the component and fuse plug.



4 (4) mm<sup>2</sup>, 16 A, disconnect terminal block



Dimensions		[mm]
Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	500 <sup>1)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 12
Rated data, upper level		
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	- / -
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	0.2 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	1.5
General data		
Stripping length	[mm]	9
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.6
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data			
Width	Length	Height NS 35/7,5	
6.2	28	-	
Width	Length	Height NS 15	
6.2	28	36	
Width	Length	Height NS 32	
6.2	28	-	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16 <sup>1)</sup>	500 <sup>1)</sup>	0.2 - 4	28-12
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	300	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	20 / -	15 / -
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	28-12	28-12
IEC UL / CUL CSA IEC/ EN 60079-7			
Solid		Stranded	
Ferrule without/with plastic sleeve			
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
1.5	1.5		0.5 - 1.5

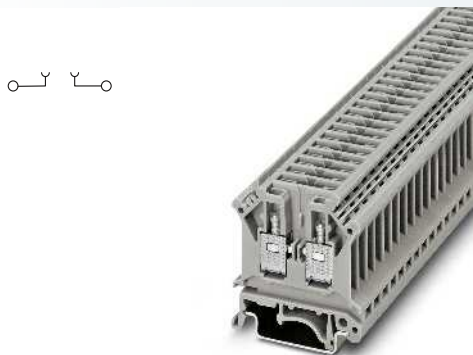
Description	No. of pos.	Color
Basic terminal block, for component and fuse plugs		gray
Basic terminal block, with test socket screws on both sides		gray

Cover, width 1 mm		gray
Cover, width 1.8 mm		gray
Cover, width 1.5 mm		gray
Fixed bridge, insulated	10	silver
Insertion bridge, insulated	2	gray
	3	gray
	10	gray
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Partition plate, 1.5 mm wide		gray

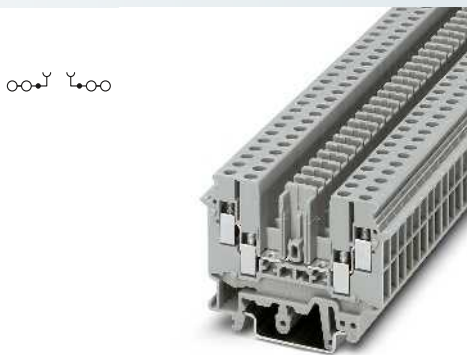
Screwdriver	SF-SL 0,6X3,5-100 S-VDE	1212587	10
Lateral groove marking			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MBK 5/E-TG		1415089	50

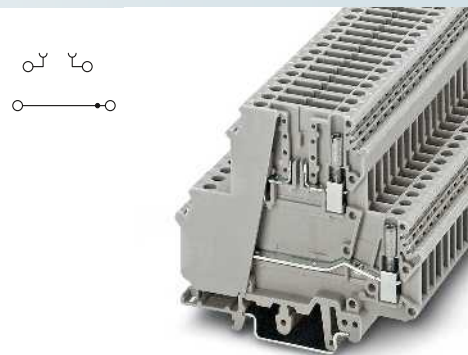
Accessories			
D-MBK 5/E-T		1413706	50
EB 2- 6	16 A	0201155	100
EB 3- 6	16 A	0201142	100
EB 10- 6	16 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10



4 (4) mm<sup>2</sup>, 16 A, disconnect terminal block



4 (6) mm<sup>2</sup>, 16 A, disconnect terminal block



4 (4) mm<sup>2</sup>, 16 A, double-level terminal block with disconnect zone



Technical data			
Width	Length	Height NS 35/7,5	
6.2	42.5	47	
Width	Length	Height NS 15	
6.2	42.5	-	
Width	Length	Height NS 32	
6.2	42.5	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16 <sup>1)</sup>	500 <sup>1)</sup>	0.2 - 4	28-12
IEC 60947-7-1	UL / CUL	CSA	IEC/ EN 60079-7
500 <sup>1)</sup>	600	600	
16 / 4	20 / -	15 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1.5
1.5	1.5		
9			
M3			
0.5 - 0.6			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	63.5	47	
Width	Length	Height NS 15	
6.2	63.5	-	
Width	Length	Height NS 32	
6.2	63.5	52	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16 <sup>1)</sup>	400	0.2 - 6	30-12
IEC 60947-7-1	UL / CUL	CSA	IEC/ EN 60079-7
400 <sup>1)</sup>	300	-	-
16 / 4	15 / -	- / -	-
4	-	-	-
24 - 10	30-12	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 1
2.5	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	80	68.5	
Width	Length	Height NS 15	
6.2	80	-	
Width	Length	Height NS 32	
6.2	80	56	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	400 <sup>1)</sup>	0.2 - 4	26-12
IEC 60947-7-1	UL / CUL	CSA	IEC/ EN 60079-7
400 <sup>1)</sup>	300	300	
26 / 4	25 / -	15 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 4	15 / -	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
			0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 4-TG		2812018	50
UK 4-TG-P/P		2812034	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UDK 4-TG		2777014	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5-TG		3007042	50

Accessories			
D-UK 4/10		3003020	50
EB 2-6	16 A	0201155	100
EB 3-6	16 A	0201142	100
EB 10-6	16 A	0201139	10
ATP-UK		3003224	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

Accessories			
D-UDK-RELG		2777027	50
FBI 10-6	16 A	0203250	10
EB 2-6	16 A	0201155	100
EB 3-6	16 A	0201142	100
EB 10-6	16 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

Accessories			
FBI 10-6	26 A	0203250	10
EB 2-6	22 A	0201155	100
EB 3-6	22 A	0201142	100
EB 10-6	22 A	0201139	10
ISSBI 10-6	26 A	0301505	10
IS-K 4		1302338	100
SZG 0,6X3,5 VDE		1205121	10
ZB 6 (see Catalog 5)			

# Terminal blocks

## UK universal terminal blocks

### Connectors for disconnect terminal blocks in the UK series

- The fuse plug ST-SI-UK 4 for 5 x 20 mm cartridge fuse inserts is available with and without a LED display
- The component connector ST-BE is available as an individual connector for two-pos. components and as a double connector



Fuse plug for 5 x 20 mm cartridge fuses



Component connector for 2 and 4-pos. components

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A
3) With single arrangement.
4) Integrated: Rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A



Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
General data	
Tightening torque	[Nm]
Insulating material	PA
Inflammability class according to UL 94	V2

Technical data				
IEC	UL	CSA	IEC/ EN 60079-7	
250	300	300	-	-
6.3	6.3 / -	10 / -	-	-
-	-	-	-	-
-	-	-	-	-

Technical data				
IEC	UL	CSA	IEC/ EN 60079-7	
-	300	-	-	-
16	10 / -	-	-	-
-	-	-	-	-
-	30-14	-	-	-

Description	Color
<b>Fuse plug</b> , for cartridge fuse inserts 5 x 20 mm, 26.5 mm high, max 6.3 A	black
<b>Fuse plug</b> , for cartridge fuse inserts, 5 x 20 mm, 26.5 mm high, max. 6.3 A, with LED display, for 5-15 V AC/DC <sup>1)</sup>	black
With LED for 15-30 V AC/DC	black
With LED for 30-60 V AC/DC	black
With LED for 110-250 V AC/DC	black
<b>Component connector</b> , for switching on 2-pos. components into the basic terminal block, fixing at screw terminal points, 19 mm high, max 16 A <sup>3)</sup>	gray
<b>Component connector</b> , to connect 2-pos. components into the basic terminal block, 19 mm high, with LED for 24 V AC/DC	gray
With LED for 230 V AC/DC	gray
<b>Component connector</b> , to connect 2-pos. components into the basic terminal block, with diode 1N 4007, 19 mm high <sup>2)</sup>	gray
<b>Component plug</b> , for 4-pos. components, two basic terminal blocks required per plug, 19 mm high	gray
<b>Component plug</b> , for 4-pos. components, two basic terminal blocks required per plug, with bridge rectifier B 250 C 1500, 19 mm high <sup>4)</sup>	gray
<b>Isolating plug</b> , 13.5 mm high, max. 16 A	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST-SI-UK 4	0921011	50
ST-SILED 12-UK 4	0921024	50
ST-SILED 24-UK 4	0921037	50
ST-SILED 60-UK 4	0921040	50
ST-SILA250-UK 4	0921053	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
ST-BE	2802316	10
ST-BE-LA 24	2802374	10
ST-BE-LA230	2802387	10
ST-1N4007	2802329	10
ST-BE-VP	2802332	10
ST-B250C1500	2802345	10
ST-K 4	5025462	50

<b>Plug pliers</b> , simplify removing the isolating plug from a closed row of terminal blocks
--

Accessories		

Accessories		
TZ	0306704	10

<b>Center groove marking</b>
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ZB 6 (see Catalog 5)
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**Disconnect terminal block, isolating and fuse plugs**

- Compact, space-saving design
- Universal disconnect zone



4 (6) mm<sup>2</sup>, 16 A, disconnect terminal block



Function plug for universal disconnect zone

**Notes:**

- 1) If the fuse is faulty, the downstream circuit is not off load.
- 2) Observe max. load current.
- 3) Observe max. load current, depending on the power dissipation of the components. Max. 0.5 W with single arrangement.
- 4) Current and voltage are determined by the plug used.

For corresponding function plugs, see phoenixcontact.net/products.

ERC

Dimensions		[mm]	
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	500 <sup>4)</sup>	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 <sup>4)</sup> / 1.5	-
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	24 - 10	-
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	4
General data			
Stripping length	[mm]	8	-
Screw thread		M3	-
Tightening torque	[Nm]	0.6 - 0.8	-
Insulating material		PA	-
Inflammability class according to UL 94		V0	-

Technical data				
Width	Length	Height NS 35/7,5		
6.2	42.5	47		
Width	Length	Height NS 32		
6.2	42.5	52		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16 <sup>4)</sup>	500 <sup>4)</sup>	0.2 - 6	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Solid				
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Stranded				
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Ferrule without/with plastic sleeve				
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

CE

Technical data				
Width	Length	Height NS 35/7,5		
3.5	10.8	-		
Width	Length	Height NS 32		
3.5	10.8	-		
I <sub>max</sub> [A]	Max. Ø [mm <sup>2</sup> ]		AWG (UL)	
20	-		-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Solid				
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Stranded				
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Ferrule without/with plastic sleeve				
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	

Description	No. of pos.	Color
Disconnect terminal block, for mounting on NS 35 DIN rail		gray
Isolating plug <sup>2)</sup>		orange
Feed-through connector <sup>2)</sup>		gray
Component connector, marked with ZBF 5 or UC-TMF 5 <sup>3)</sup>		gray
Fuse plug, width 5.2 mm <sup>1)</sup>		black
With LED for 12-30 V DC, 0.31-0.95 mA		black
for 30-60 V AC/DC, 0.40-0.86 mA		black
for 110-250 V AC/DC, 0.41-0.96 mA		black
Fuse plug, width 8.2 mm		black
With LED for 12-30 V DC, 0.31-0.95 mA		black
for 30-60 V AC/DC, 0.40-0.86 mA		black
for 110-250 V AC/DC, 0.41-0.96 mA		black
Cover, width 1.8 mm		gray
Insertion bridge, insulated		
	2	gray
	3	gray
	10	gray
Screwdriver		
Lateral groove marking		

Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
UK 5 N-TG		3000604	50	

Ordering data		
Type	Order No.	Pcs. / Pkt.
P-DI	3036783	50
P-FIX	3038956	50
P-CO	3036796	10
P-FU 5X20-5	3209235	10
P-FU 5X20 LED 24	3036819	10
P-FU 5X20 LED 60	3036822	10
P-FU 5X20 LA 250	3036835	10
P-FU 6,3X32	3046498	10
P-FU 6,3X32 LED 24	3046508	10
P-FU 6,3X32 LED 60	3046511	10
P-FU 6,3X32 LA 250	3046524	10

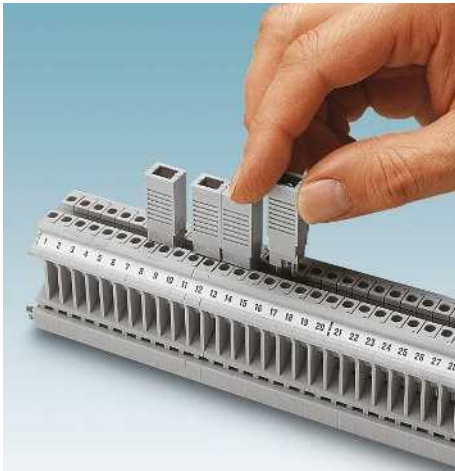
Accessories				
Type		Order No.	Pcs. / Pkt.	
D-UK 4/10		3003020	50	
EB 2- 6	16 A	0201155	100	
EB 3- 6	16 A	0201142	100	
EB 10- 6	16 A	0201139	10	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)				

Accessories		

# Terminal blocks

## UK universal terminal blocks

### Component connector, BES 6



- Advantageous when adding any 2-pos. components, such as diodes or varistors, between two neighboring feed-through terminal blocks at a later date
  - Is supplied as a set with two sockets
  - The sockets are screwed into the center thread of the feed-through terminal blocks. They are of different lengths, which determines the correct functional direction (corresponds to the vertically offset multiple-spring wire plugs) and prevents confusion later on
  - If several BES 6 connectors are fitted next to each other, separating disks should be provided between the pairs of terminal blocks in order to prevent incorrect plugging
  - To insert the components, the upper half of the housing is lifted, thus exposing the plug pins for soldering
  - Versions are available with a LED display or diode. These serve as a protective circuit for DC loads
- The plugs can be used with the terminal blocks:
- MBK 5: Dimension a = 64 mm on DIN rail NS 15
  - MBK 5/E-Z: Dimension a = 68 mm on DIN rail NS 15
  - UK 5 N: Dimension a = 75 mm on DIN rail NS 35/7,5
  - UKK 5: Dimension a = 92 mm on DIN rail NS 35/7,5
  - UKKB 5: Dimension a = 92 mm on DIN rail NS 35/7,5
  - UVKB 4: Dimension a = 76 mm on DIN rail NS 35/7,5

**Notes:**  
 1) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A

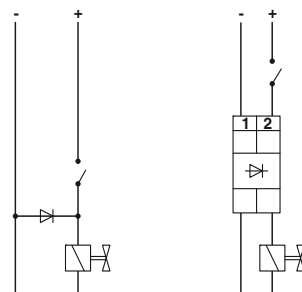


Component connector

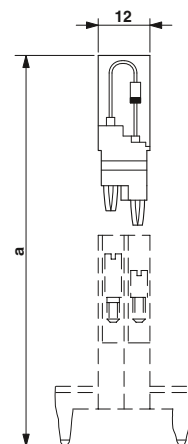
ERC

Technical data		
PA		
V2		
Ordering data		
Type	Order No.	Pcs. / Pkt.
BES 6	2802549	10
BES 6-1N4007	2802552	10
BES 6-LA 24	2802565	10
BES 6-LA230	2802578	10

General data	
Insulating material	
Inflammability class according to UL 94	
Description	Color
Component connector, complete, for connection of components between two neighboring feed-through terminal blocks	gray
Component connector, complete, for connection of components between two neighboring feed-through terminal blocks, with diode 1N 4007 <sup>1)</sup>	gray
Component connector, with LED display, 15 – 30 V DC	gray
Component connector, with LED display, 110–250 V AC/DC	gray



Freewheeling diode with feed-through terminal blocks and BES 6



Design: BES 6



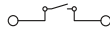
# Terminal blocks

## UK universal terminal blocks

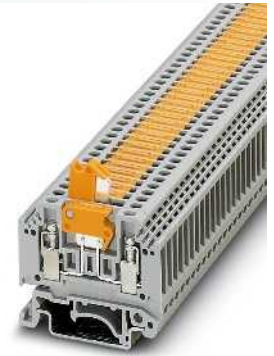
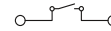
### MTK ... knife disconnect terminal blocks

For maintenance work or rapid troubleshooting, these disconnect terminal blocks are used in measurement and control technology systems:

- Convenient disconnect knife operation
- Space-saving design
- High current-carrying capacity up to 16 A
- Versions with integrated test socket screws



2.5 (4) mm<sup>2</sup>, 16 A, knife disconnect terminal block with test socket screw



2.5 (4) mm<sup>2</sup>, 16 A, knife disconnect terminal block



		Technical data			
<b>Dimensions</b>		Width	Length	Height NS 35/7,5	
	[mm]	5.2	46	51.5	
<b>Dimensions</b>		Width	Length	Height NS 32	
	[mm]	5.2	46	56.5	
<b>Max. electrical data</b>		I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		16	400	0.2 - 4	28-12
<b>Rated data</b>		IEC 60947-7-1			
		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 2.5	10 / -	15 / -	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	2.5	-	-
<b>General data</b>					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

		Technical data			
<b>Dimensions</b>		Width	Length	Height NS 35/7,5	
	[mm]	5.2	46	51.5	
<b>Dimensions</b>		Width	Length	Height NS 32	
	[mm]	5.2	46	56.5	
<b>Max. electrical data</b>		I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		16	400	0.2 - 4	28-12
<b>Rated data</b>		IEC 60947-7-1			
		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 2.5	10 / -	15 / -	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4	2.5	-	-
<b>General data</b>					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Inflammability class according to UL 94		V0			

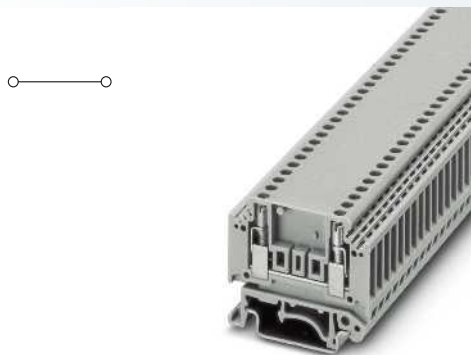
			Ordering data			
Description	No. of pos.	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>Knife disconnect terminal block</b> , for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	MTK-P/P		3104013	50
		blue	MTK-P/P BU		3104097	50
<b>Knife disconnect terminal block</b> , for mounting on NS 32... or NS 35..., with screw connection on both sides		gray				
		blue				
<b>Feed-through terminal block, without disconnect knife</b> , with test socket screws		gray				
With screw connection		gray				
<b>Knife disconnect terminal block</b> , for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray				
		blue				
Without test socket screws		gray				
<b>Knife disconnect terminal block</b> , for mounting on NS 35...		gray				

			Ordering data			
Description	No. of pos.	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>Knife disconnect terminal block</b> , for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	MTK		3101016	50
		blue	MTK BU		3101197	50

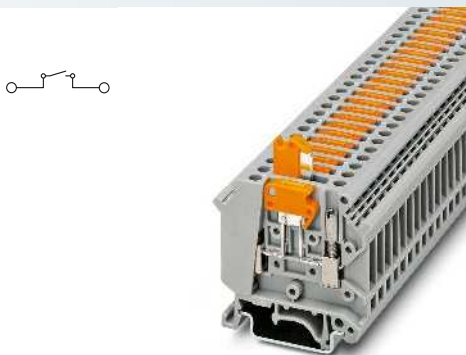
			Accessories			
<b>Cover</b> , width 1 mm		gray	D-MTK		3101029	50
		blue	D-MTK BU		3101090	50
<b>Insertion bridge</b> , insulated		gray	EBL 2- 5	12 A	2303145	10
	2	gray	EBL 3- 5	12 A	2303158	10
	3	gray	EBL 10- 5	12 A	2303132	10
	10	gray	ATS-MTK		3101223	50
<b>Partition plate</b> , for visual and electrical separation of terminal groups, 1.0 mm thick		gray	SZG 0,6X3,5 VDE		1205121	10
<b>Screwdriver</b>			ZB 5 (see Catalog 5)			
<b>Lateral groove marking</b>						

			Accessories			
<b>Cover</b> , width 1 mm		gray	D-MTK		3101029	50
		blue	D-MTK BU		3101090	50
<b>Insertion bridge</b> , insulated		gray	EBL 2- 5	12 A	2303145	10
	2	gray	EBL 3- 5	12 A	2303158	10
	3	gray	EBL 10- 5	12 A	2303132	10
	10	gray	ATS-MTK		3101223	50
<b>Partition plate</b> , for visual and electrical separation of terminal groups, 1.0 mm thick		gray	SF-SL 0,6X3,5-100 S-VDE		1212587	10
<b>Screwdriver</b>			ZB 5 (see Catalog 5)			
<b>Lateral groove marking</b>						

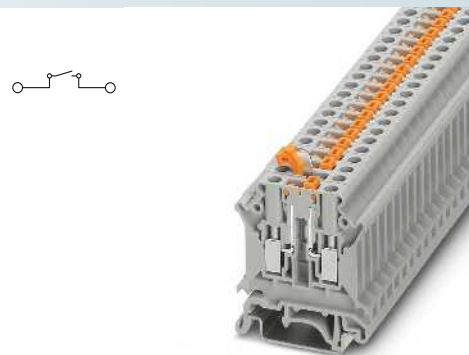




2.5 (4) mm<sup>2</sup>, 16 A, feed-through terminal block, with test socket screw



4 (6) mm<sup>2</sup>, 16 A, knife disconnect terminal block with test socket screw



4 (6) mm<sup>2</sup>, 16 A, knife disconnect terminal block



Technical data			
Width	Length	Height NS 35/7,5	
5.2	46	51.5	
Width	Length	Height NS 32	
5.2	46	56.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16	400	0.2 - 4	28-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	300	600	-
16 / 2.5	10 / -	20 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	51	58.5	
Width	Length	Height NS 32	
6.2	51	63.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16	500	0.2 - 6	22-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	600	300	-
16 / 2.5	15 / -	15 / -	-
4	-	-	-
24 - 10	22-12	18-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	42.5	48.7	
Width	Length	Height NS 32	
6.2	42.5	53.7	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
16	500	0.2 - 6	20-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	600	-	-
16 / 1.5	15 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MTKD-P/P		3100020	50
MTKD		3100017	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 5-MTK-P/P		3004032	50
UK 5-MTK-P/P BU		3004058	50
UK 5-MTK		3004430	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 5 N-MT		3000563	50

Accessories			
D-MTK		3101029	50
D-MTK BU		3101090	50
EBL 2-5	12 A	2303145	10
EBL 3-5	12 A	2303158	10
EBL 10-5	12 A	2303132	10
ATS-MTK		3101223	50
SZG 0,6X3,5 VDE		1205121	10

Accessories			
D-UK 4/10		3003020	50
EB 2-6	12 A	0201155	100
EB 3-6	12 A	0201142	100
EB 10-6	12 A	0201139	10
ATP-UK 5-MTK		3004210	50
SZG 0,6X3,5 VDE		1205121	10

Accessories			
D-UK 4/10		3003020	50
D-UK 4/10 BU		3003101	50
EB 2-6	16 A	0201155	100
EB 3-6	16 A	0201142	100
EB 10-6	16 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 5 (see Catalog 5)

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

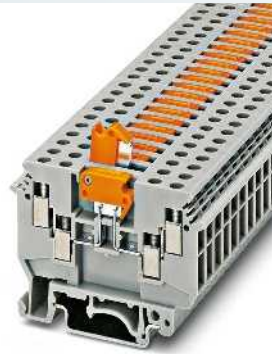
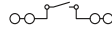
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

# Terminal blocks

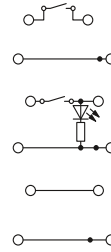
## UK universal terminal blocks

### Knife disconnect terminal blocks

- Convenient disconnect knife operation
- Closed housing of double-level terminal blocks
- The disconnect knife on the associated level is characterized by a slight vertical offset
- Space-saving design just 6.2 mm wide



4 (6) mm<sup>2</sup>, 16 A, knife disconnect terminal block, 4 connections, with test socket screw



4 (4) mm<sup>2</sup>, 12 A, double-level knife disconnect terminal block with test socket screw



Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	630
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 10
Rated data, upper level		
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5
General data		
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.6 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data				
Width	Length	Height NS 35/7,5		
6.2	63.5	47		
Width	Length	Height NS 32		
6.2	63.5	52		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
16	630	0.2 - 6	30-10	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	630	600	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 4	15 / -	15 / -
Rated cross section	[mm <sup>2</sup> ]	4	-	-
Cross section range	AWG	24 - 10	30-10	22-10
Rated data, upper level				
IEC	UL / CUL	CSA	IEC/EN 60079-7	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	-
Connection capacity				
	Solid	Stranded	Ferrule	
			without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4    0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5	0.25 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 1
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5	-
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Technical data				
Width	Length	Height NS 35/7,5		
6	80	68		
Width	Length	Height NS 32		
6	80	73		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
26	400	0.2 - 4	26-12	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	400	300	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	26 / 4	-	15 / -
Rated cross section	[mm <sup>2</sup> ]	4	-	-
Cross section range	AWG	24 - 12	26-12	22-12
Rated data, upper level				
IEC	UL / CUL	CSA	IEC/EN 60079-7	
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	12 / 4	-	-
Connection capacity				
	Solid	Stranded	Ferrule	
			without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4	0.25 - 4    0.25 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	-	-	-
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Description	No. of pos.	Color
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		blue gray
Double-level terminal block, for mounting on NS 32... or NS 35..., with disconnect knife and LED display for 12 V DC		gray
Double-level terminal block, for mounting on NS 32... or NS 35..., with two through contacts, without LED display		gray

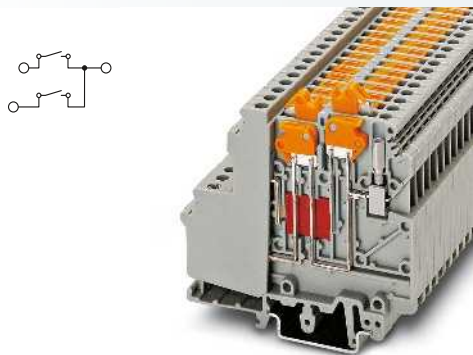
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UDK 4-MTK-P/P		2775210	50
UDK 4-MTK-P/P BU		2775223	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5-MTK-P/P		2800004	50
UKK 5-MTK-P/P-LA 24RD/O-U		2800020	50
UKK 5-MTKD-P/P		2800017	50

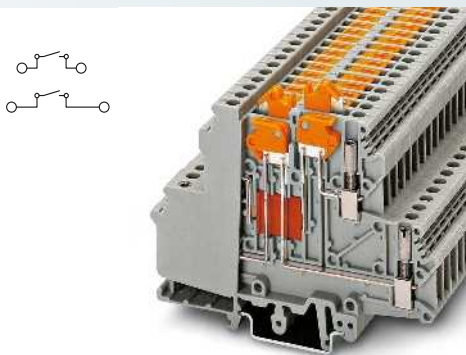
Accessories		
Accessories	Quantity	Color
Cover, width 1.5 mm		gray blue
Fixed bridge, insulated	10	silver
Insertion bridge, insulated		
	2	gray
	3	gray
	10	gray
Screwdriver		
Later groove marking		

Accessories			
Accessories	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-UDK 4		2775113	50
D-UDK 4 BU		2775197	50
EB 2-6	12 A	0201155	100
EB 3-6	12 A	0201142	100
EB 10-6	12 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

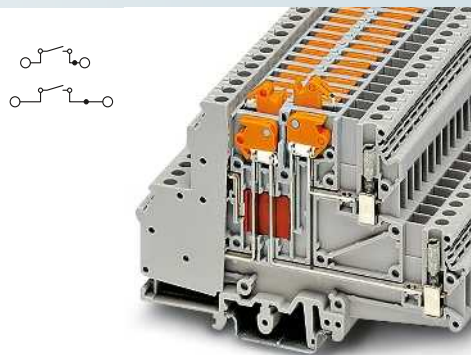
Accessories			
Accessories	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBI 10-6	22 A	0203250	10
SZG 0,6X3,5 VDE		1205121	10
ZB 6 (see Catalog 5)			



4 (4) mm<sup>2</sup>, 8 A, feed-through terminal block, 3 connections, with two disconnect knives, test socket screw



4 (4) mm<sup>2</sup>, 8 A, double-level terminal block, one disconnect knife per level, test socket screw



4 (4) mm<sup>2</sup>, 8 A, double-level terminal block, one disconnect knife and bridge shaft per level, test socket screw



Technical data			
Width	Length	Height NS 35/7,5	
6.2	76.5	68.5	
Width	Length	Height NS 32	
6.2	76.5	73.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
8	400	0.2 - 4	26-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	300	300	-
8 / 4	8 / -	8 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
8 / 4	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-

Technical data			
Width	Length	Height NS 35/7,5	
6.2	93	68.5	
Width	Length	Height NS 32	
6.2	93	73.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
10	400	0.2 - 4	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	-	300	-
10 / 4	-	15 / -	-
4	-	-	-
24 - 12	-	28-12	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
8 / 4	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-

Technical data			
Width	Length	Height NS 35/7,5	
6.2	106	68.5	
Width	Length	Height NS 32	
6.2	106	73.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
10	400	0.2 - 4	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	-	-	-
10 / 4	-	-	-
4	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/EN 60079-7
8 / 4	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-

8  
M3  
0.6 - 0.8  
PA  
V2

8  
M3  
0.6 - 0.8  
PA  
V2

8  
M3  
0.5 - 0.6  
PA  
V2

Ordering data		
Type	Order No.	Pcs. / Pkt.
UDMTK 5-TWIN-P/P	3101126	50
UDMTK 5-TWIN-P/P BU	3101139	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
UDMTK 5-P/P	3101087	50
UDMTK 5-P/P BU	3101113	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UDMTKB 5-P/P		3024478	50

Accessories		
SZG 0,6X3,5 VDE	1205121	10

Accessories		
SZG 0,6X3,5 VDE	1205121	10

Accessories			
FBI 10 - 6	10 A	0203250	10
SZG 0,6X3,5 VDE		1205121	10

ZB 6 (see Catalog 5)

ZB 6 (see Catalog 5)

ZB 6 (see Catalog 5)

# Terminal blocks

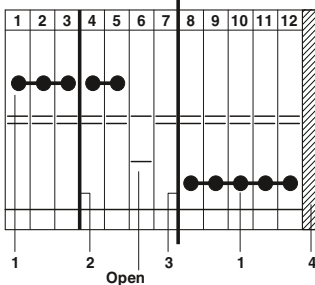
## UK universal terminal blocks

### Slide-type terminal block UGSK/S Test disconnect terminal block URTK/SS



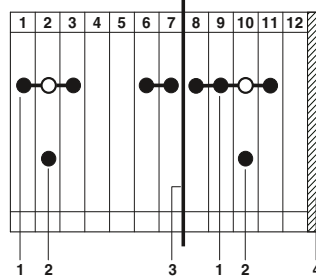
- Simple and clear testing in current transformer secondary circuits can be undertaken with the slide-type terminal block UGSK/S for cross switching
- Measurement equipment or protective relays can be individually activated with the aid of bridges and slides
- For this purpose, the slides make contact with the switching jumper depending on the switching task
- The URTK/SS allow the transformer test circuits to be designed in a very compact and clear way

Knife disconnect terminal block URTK/SS



Type	Order no.
1 FBRNI 10-6	2770626
2 TS-URTK/SS	0321213
3 ATS-URTK/SS	0321226
4 D-URTK/SS	0321022

Slide-type terminal block UGSK/S



Type	Order no.
1 FB 10-GSK/S	0305174
2 GS-GSK/S	0305116
3 ATS-GSK	0304227
4 D-UGSK	0304023

#### Dimensions

[mm]

#### Dimensions

[mm]

#### Max. electrical data

#### Rated data

Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG

#### Connection capacity

1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]

#### General data

Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]

Disconnect slide: thread / torque	- / [Nm]
-----------------------------------	----------

Insulating material

Inflammability class according to UL 94

Description	No. of pos.	Color
Measurement/disconnect terminal block, for mounting on NS 32... or NS 35... with test sockets		gray
Slide terminal block, for mounting on NS 32... or NS 35... Without slide		gray

Cover, width 1 mm

gray

Cover, width 2.2 mm

gray

Fixed bridge, for cross connections on both sides of the disconnect point, can be separated, with 10 screws

10

silver

Slide, for switchable connection along with FB 10-GSK/S or FB-GSK

silver

Separating plate, for separation of neighboring bridges in terminal center, width 0.8 mm

gray

Separating disk, 0.8 mm wide

gray

Slide with a test socket, insulated, for the UGSK/S terminal block, M3.5 thread

transparent

white

red

blue

yellow

green

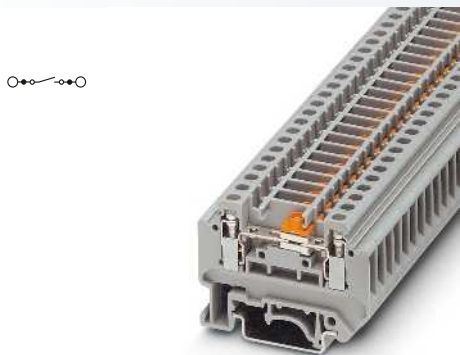
violet

gray

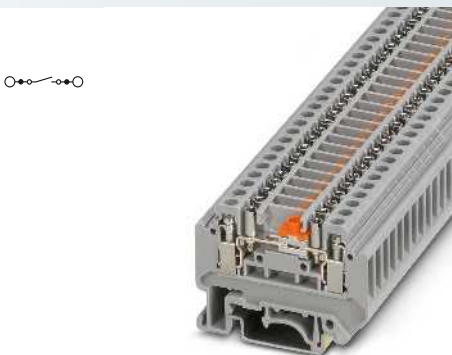
black

#### Screwdriver

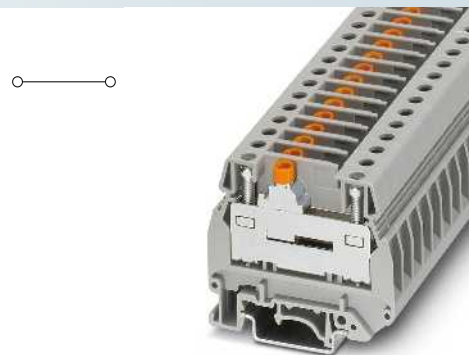
#### Lateral groove marking



4 (4) mm<sup>2</sup>, 26 A, test disconnect terminal block



4 (4) mm<sup>2</sup>, 26 A, test disconnect terminal block with test sockets



6 (10) mm<sup>2</sup>, 57 A, slide-type terminal block



Technical data			
Width	Length	Height NS 35/7,5	
6.2	56.5	40	
Width	Length	Height NS 32	
6.2	56.5	45	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	400	0.2 - 4	28-12
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	300	300	-
26 / 4	20 / -	25 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
7	M3 / 0.6 - 0.8		
M2,6 / 0.5 - 0.6	PA		
V0	V0		

Technical data			
Width	Length	Height NS 35/7,5	
6.2	56.5	40	
Width	Length	Height NS 32	
6.2	56.5	45	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
26	400	0.2 - 4	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	-	-	-
26 / 4	-	-	-
4	-	-	-
24 - 12	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
7	M3 / 0.6 - 0.8		
M2,6 / 0.5 - 0.6	PA		
V0	V0		

Technical data			
Width	Length	Height NS 35/7,5	
8.2	61	53.5	
Width	Length	Height NS 32	
8.2	61	58.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	500	0.5 - 10	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 1.5	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 4
11	M4 / 1.5 - 1.8		
M2,6 / 0.5 - 0.6	PA		
V2	V2		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
URTK/SS		0321019	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
URTK/SS-PSB		3056608	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UGSK/S + GS		0313085	50
UGSK/S		0305080	50

Accessories			
D-URTK/SS		0321022	50
FBRNI 10-6 N	26 A	2770626	10
TS-URTK/SS		0321213	50
ATS-URTK/SS		0321226	100
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
D-URTK/SS		0321022	50
TS-URTK/SS		0321213	50
ATS-URTK/SS		0321226	100
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
D-UGSK		0304023	50
FB 10- GSK/S	43 A	0305174	10
GS-GSK/S		0305116	100
TS-GSK		0304214	50
ATS-GSK		0304227	50
PSBJ-GSK/S FARBLOS		0305394	10
PSBJ-GSK/S WH		0305310	10
PSBJ-GSK/S RD		0305323	10
PSBJ-GSK/S BU		0305336	10
PSBJ-GSK/S YE		0305349	10
PSBJ-GSK/S GN		0305352	10
PSBJ-GSK/S VT		0305365	10
PSBJ-GSK/S GY		0305378	10
PSBJ-GSK/S BK		0305381	10
SZS 1,0X4,0 VDE		1205066	10

ZB 6 (see Catalog 5)

ZB 6 (see Catalog 5)

ZB 8 (see Catalog 5)

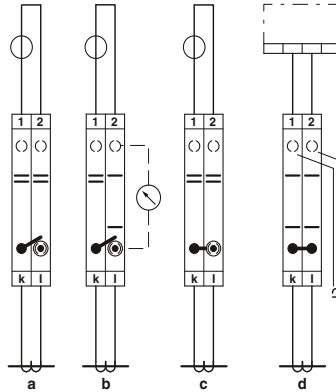
# Terminal blocks

## UK universal terminal blocks

### Meas. transducer Test disconnect terminal block URTK/S...

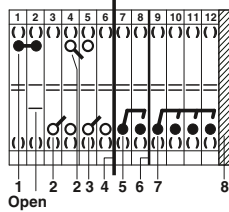


- Easy and clear testing in current transformer secondary circuits can be performed using the test disconnect terminal blocks of the URTK/S range
- On both sides of the disconnect point, the terminal block has a test socket which can also be used to switch across to neighboring terminal blocks
- The URTK/S-BEN ... terminal blocks are provided with test socket screws for test plugs with a 4 mm diameter



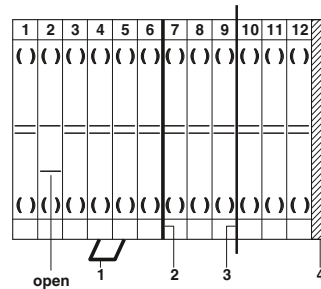
- All switching tasks with two terminal blocks per current transformer core can be implemented with the URTK/S and URTK/S-BEN 10 test disconnect terminal blocks
- a Normal operation
- b Measurement checking
- c Transformer short circuit
- d Relay checking

Test disconnect terminal block URTK/S



Type	Order no.
1 FB 10-RTK/S	0311171
2 USB 2-RTK/S	0311278
3 ASB 2-RTK/S	0311281
4 ATS-RTK	0310224
5 SB 2-RTK/S	0311236
6 TS-RTK	0310211
7 SB 4-RTK/S	0311265
8 D-URTK	0310020

URTK/S-BEN 10 test disconnect terminal block



Type	Order No.
1 EB 2-8	0202154
2 TS-RTK-BEN	0308210
3 ATS-RTK-BEN	0308223
4 D-URTK/S-BEN	0308029

#### Dimensions

[mm]

#### Dimensions

[mm]

#### Max. electrical data

#### Rated data

Rated voltage [V]  
 Nominal current / cross section [A] / [mm<sup>2</sup>]  
 Rated cross section [mm<sup>2</sup>]  
 Cross section range AWG

#### Connection capacity

1 conductor [mm<sup>2</sup>]  
 2 conductors (of the same type) [mm<sup>2</sup>]  
 2 stranded conductors with a TWIN ferrule [mm<sup>2</sup>]  
 Max. cross section with insertion bridge [mm<sup>2</sup>]

#### General data

Stripping length [mm]  
 Terminal point: thread / torque - / [Nm]

Disconnect slide: thread / torque - / [Nm]

Insulating material  
 Inflammability class according to UL 94

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray

Cover, width 2.2 mm gray

Insertion bridge, fully insulated		
	2	gray
	3	gray
	4	gray
	10	gray

Fixed bridge, for cross connections on both sides of the disconnect point, can be separated, with 10 screws 10 silver

Switching jumper for two terminal blocks, usable for both sides of the disconnect point, with 2 screws  
 Inward switching 2 silver  
 Outward switching 2 silver

Switch bar for 2 terminal blocks, with 2 screws 2 silver

Switching jumper, for 3-phase short-circuiting of of linked current transformer sets, with 4 screws 4 silver

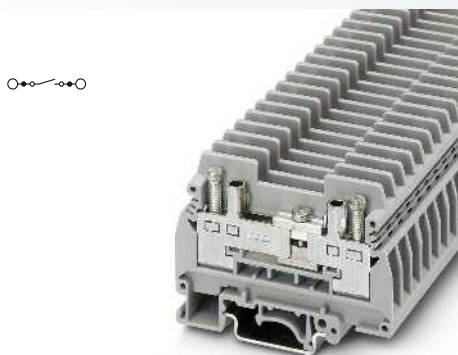
Separating plate, for electrical separation of neighboring bridges at the terminal center gray

Partition plate, for visual and electrical separation of terminal groups gray

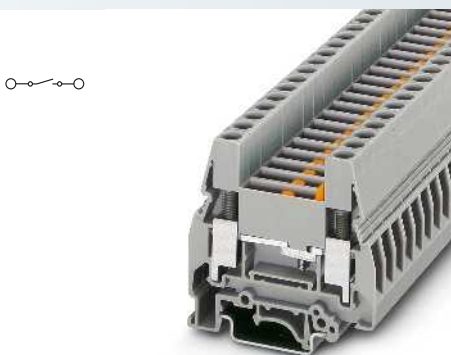
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide white

#### Screwdriver

#### Lateral groove marking



6 (10) mm<sup>2</sup>, 57 A, test disconnect terminal block



10 (16) mm<sup>2</sup>, 76 A, test disconnect terminal block



Technical data			
Width	Length	Height NS 35/7,5	
8.2	72	51.5	
Width	Length	Height NS 32	
8.2	72	56.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	400	0.5 - 10	26-8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400	300	300	-
41 / 6	50 / -	40 / -	-
6	-	-	-
20 - 8	26-8	26-10	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
-	-	-	0.5 - 4
-	-	-	-
13			
M4 / 1.2 - 1.5			
M3 / 0.6 - 0.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
8.2	61	58.5	
Width	Length	Height NS 32	
8.2	61	63.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
76	500	0.5 - 16	26-8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	600	600	-
57 / 10	50 / -	55 / -	-
10	-	-	-
20 - 6	26-8	26-8	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 10	0.5 - 6	0.5 - 4	-
-	-	-	0.5 - 4
10	10	-	-
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
URTK/S		0311087	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
URTK/S-BEN 10		0309109	50

Accessories			
D-URTK		0310020	50
EB 2- 8	41 A	0202154	100
EB 3- 8	41 A	0202141	100
EB 4- 8	41 A	0202142	100
EB 10- 8	41 A	0202138	10
FB 10- RTK/S	41 A	0311171	10
USB 2-RTK/S	35 A	0311278	10
ASB 2-RTK/S	35 A	0311281	10
SB 2-RTK/S	35 A	0311236	10
SB 4-RTK/S	35 A	0311265	10
TS-RTK		0310211	50
ATS-RTK		0310224	50
S		0308359	100
SZS 1,0X4,0 VDE		1205066	10

Accessories			
D-URTK/S-BEN		0308029	50
EB 2- 8	41 A	0202154	100
EB 3- 8	41 A	0202141	100
EB 4- 8	41 A	0202142	100
EB 10- 8	41 A	0202138	10
TS-RTK-BEN		0308210	50
ATS-RTK-BEN		0308223	100
SZG 0,9X6,5 VDE		1205134	10

ZB 8 (see Catalog 5)

ZB 8 (see Catalog 5)

# Terminal blocks

## UK universal terminal blocks

### UK 6-T test disconnect terminal blocks

- Easy and clear testing in the current transformer secondary circuits can be performed using the UK 6-T test disconnect terminal block
- Compact design
- Switching jumpers with and without test sockets

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

**Notes:**  
For more test sockets, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



**6 (10) mm<sup>2</sup>, 57 A, disconnect terminal block, with test sockets**



<b>Dimensions</b>	[mm]
<b>Dimensions</b>	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
<b>General data</b>	
Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]
Disconnect slide: thread / torque	- / [Nm]
Torque: Test socket, fixed bridge, switch bar	[Nm]
Insulating material	PA
Inflammability class according to UL 94	V0

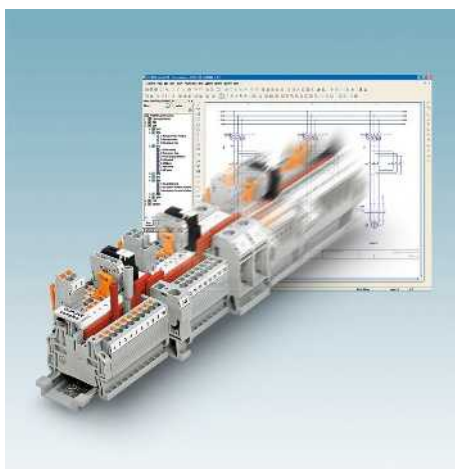
Technical data			
Width	Length	Height NS 35/7,5	
<b>8.2</b>	<b>66.5</b>	<b>48</b>	
Width	Length	Height NS 32	
<b>8.2</b>	<b>66.5</b>	<b>53</b>	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>57</b>	<b>500</b>	<b>0.5 - 10</b>	<b>26-8</b>
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	-	-
<b>Connection capacity</b>		Solid	Stranded
1 conductor	[mm <sup>2</sup> ]	0.5 - 10	0.5 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5	0.5 - 4
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
<b>General data</b>			Ferrule
Stripping length	[mm]		without/with plastic sleeve
Terminal point: thread / torque	- / [Nm]		
Disconnect slide: thread / torque	- / [Nm]		
Torque: Test socket, fixed bridge, switch bar	[Nm]		
Insulating material	PA		
Inflammability class according to UL 94	V0		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>UK 6-T-P</b>		<b>3072800</b>	50

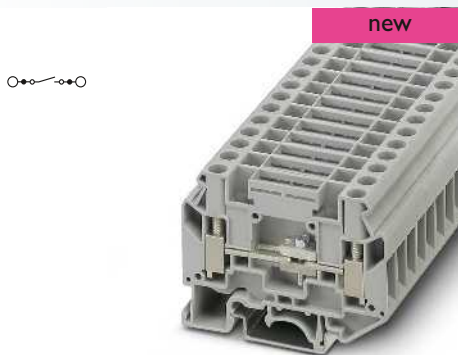
Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>D-UK 6-T</b>		<b>3072802</b>	50
<b>SCBI 10-8,15</b>	24 A	<b>3245134</b>	10
<b>SCBI 10-8,15 ISO</b>	24 A	<b>3000417</b>	10
<b>SB 6-T 2-8</b>	32 A	<b>3075842</b>	10
<b>SB 6-T 3-8</b>	32 A	<b>3075843</b>	10
<b>SB 6-T 4-8</b>	32 A	<b>3075844</b>	10
<b>SBP-TB 6-T 2-8</b>	32 A	<b>3070321</b>	10
<b>SBP-TB 6-T 3-8</b>	32 A	<b>3070322</b>	10
<b>SBP-TB 6-T 4-8</b>	32 A	<b>3070323</b>	10
<b>TPS 3/20/5</b>		<b>3246586</b>	10
<b>PSBJ 6-T OG</b>		<b>3070320</b>	10
<b>PS-8/2,3MM RD</b>		<b>3048564</b>	10
<b>MPS-MT/ 4MM</b>		<b>3048577</b>	10
<b>KSS 8</b>		<b>0311540</b>	10
<b>KSS 4- 8</b>		<b>0309549</b>	10
<b>SF-SL 0,8X4,0-100 S-VDE</b>		<b>1212588</b>	10

Description	No. of pos.	Color
<b>Disconnect terminal block, with test sockets</b>		gray
<b>Disconnect terminal block</b>		gray
<b>Feed-through terminal block</b>		gray
<b>Cover, width 2.2 mm</b>		gray
<b>Fixed bridge, 10-pos.</b>	10	silver
<b>Isolator bridge bar, 10-pos.</b>	10	silver
<b>Switching jumper</b>		
	2	orange
	3	orange
	4	orange
<b>Switching jumper, complete with test sockets</b>		
	2	orange
	3	orange
	4	orange
<b>Test socket</b>		silver
<b>Test socket, for test connection with test plug PS</b>		orange
<b>Modular test plug housing, marking with ZBF 8</b>		red
4 mm Ø		silver
<b>Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., I<sub>max</sub> 20 A</b>		black
4-pos.		black
<b>Screwdriver</b>		black
<b>Lateral groove marking</b>		

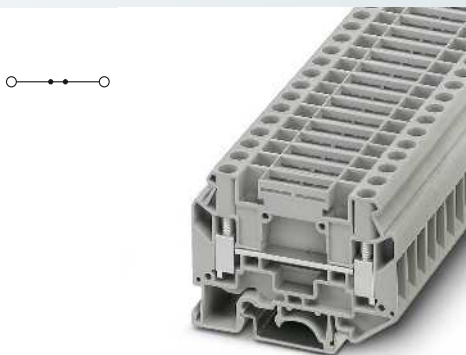
**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)**



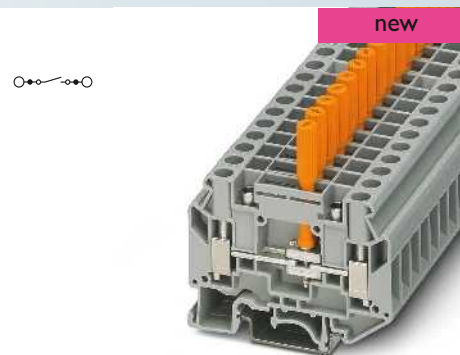




6 (10) mm<sup>2</sup>, 57 A, disconnect terminal block



6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block



6 (10) mm<sup>2</sup>, 57 A, disconnect terminal block



Technical data			
Width	Length	Height NS 35/7,5	
8.2	66.5	48	
Width	Length	Height NS 32	
8.2	66.5	53	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	500	0.5 - 10	26-8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
500	600	-	-
41 / 6	30	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10	M4 / 1.5 - 1.6		
M3 / 0.6 - 0.8	-		
-	0.6 - 0.8		
PA	V0		

Technical data			
Width	Length	Height NS 35/7,5	
8.2	66.5	48	
Width	Length	Height NS 32	
8.2	66.5	53	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	800	0.5 - 10	26-8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
800	600	-	-
41 / 6	30	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10	M4 / 1.5 - 1.6		
- / -	-		
-	0.6 - 0.8		
PA	V0		

Technical data			
Width	Length	Height NS 35/7,5	
8.2	66.5	66	
Width	Length	Height NS 32	
8.2	66.5	71	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	500	0.5 - 10	26-8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
500	600	-	-
41 / 6	30	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10	M4 / 1.5 - 1.6		
- / -	-		
-	-		
PA	V0		

Ordering data		
Type	Order No.	Pcs. / Pkt.
UK 6-T	3072803	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKD 6		3072801	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UK 6-TK-P		3072804	50

Accessories		
D-UK 6-T	3072802	50
SCBI 10-8,15	3245134	10
SCBI 10-8,15 ISO	3000417	10
SB 6-T 2-8	3075842	10
SB 6-T 3-8	3075843	10
SB 6-T 4-8	3075844	10
SBP-TB 6-T 2-8	3070321	10
SBP-TB 6-T 3-8	3070322	10
SBP-TB 6-T 4-8	3070323	10
TPS 3/20/5	3246586	10
PSBJ 6-T OG	3070320	10
PS-8/2,3MM RD	3048564	10
MPS-MT/ 4MM	3048577	10
KSS 8	0311540	10
KSS 4- 8	0309549	10
SF-SL 0,8X4,0-100 S-VDE	1212588	10

Accessories			
D-UK 6-T		3072802	50
SCBI 10-8,15	24 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
SB 6-T 2-8	32 A	3075842	10
SB 6-T 3-8	32 A	3075843	10
SB 6-T 4-8	32 A	3075844	10
SBP-TB 6-T 2-8	32 A	3070321	10
SBP-TB 6-T 3-8	32 A	3070322	10
SBP-TB 6-T 4-8	32 A	3070323	10
TPS 3/20/5		3246586	10
PSBJ 6-T OG		3070320	10
PS-8/2,3MM RD		3048564	10
MPS-MT/ 4MM		3048577	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SF-SL 0,8X4,0-100 S-VDE		1212588	10

Accessories			
D-UK 6-T		3072802	50
SCBI 10-8,15	24 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
TPS 3/20/5		3246586	10
PSBJ 6-T OG		3070320	10
PS-8/2,3MM RD		3048564	10
MPS-MT/ 4MM		3048577	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SF-SL 0,8X4,0-100 S-VDE		1212588	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

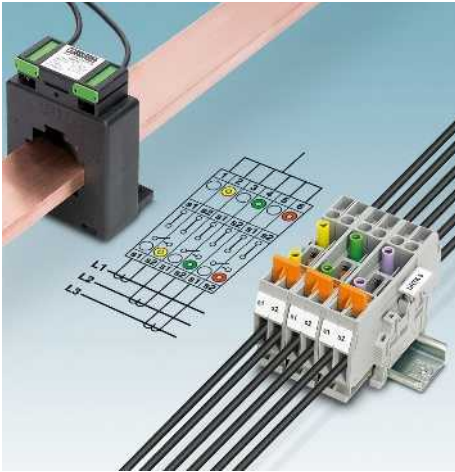
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

# Terminal blocks

## UK universal terminal blocks

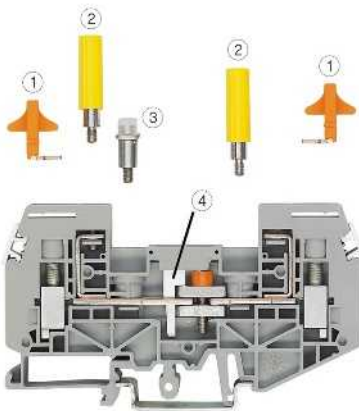
### Test disconnect terminal blocks and slide-type terminal blocks URTK 6 / UGSK 6



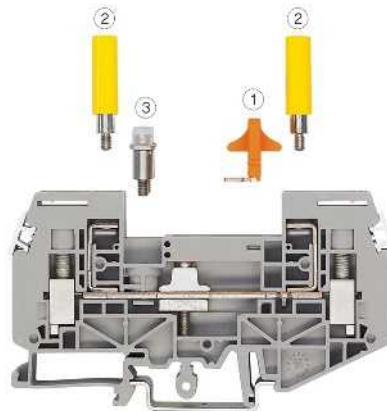
- The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block were developed specifically for use in current transformer secondary circuits
- Can be fitted on both sides with fixed and switchable bridges as well as test sockets with a 4 mm diameter



- The extensive range of accessories of the URTK 6 test disconnect terminal blocks with spring connection can also be used for the SRTK 6 screw connections terminal blocks with screw connection.
- For more information and technical data on the spring connection versions, see page 198



- Only two URTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
  - Less space required compared to creating circuits with slide-type terminal blocks
- ① SB... switch bar
  - ② 4 mm Ø test sockets PSBJ–URTK 6...
  - ③ Fixed bridge for cross connection FBRI 10–8 N
  - ④ Switching lock S–URTK/SP



- Several measuring devices or protective relays can be connected individually using the UGSK 6 slide-type terminal block
  - The slide can be connected with the switch bar depending on the switching tasks.
- ① SB... switch bar
  - ② 4 mm Ø test sockets PSBJ–URTK 6...
  - ③ Fixed bridge for cross connection FBRI 10–8 N

#### Notes:

For other test sockets, see page 505.

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 5.

#### Dimensions

Dimensions [mm]

Dimensions [mm]

#### Max. electrical data

#### Rated data

Rated voltage [V]  
 Nominal current / cross section [A] / [mm<sup>2</sup>]  
 Rated cross section [mm<sup>2</sup>]  
 Cross section range AWG

#### Connection capacity

1 conductor [mm<sup>2</sup>]  
 2 conductors (of the same type) [mm<sup>2</sup>]  
 2 stranded conductors with a TWIN ferrule [mm<sup>2</sup>]

#### General data

Stripping length [mm]  
 Terminal point: thread / torque - / [Nm]

Disconnect slide: thread / torque - / [Nm]

Torque: Test socket, fixed bridge, switch bar [Nm]

Insulating material

Inflammability class according to UL 94

Description	No. of pos.	Color
<b>Test disconnect terminal block</b> , for mounting on NS 35 ... and NS 32 ...		gray
<b>Feed-through terminal block</b> , for mounting on NS 32... or NS 35...		gray

**Cover**, width 2 mm gray

Switching jumper, complete		
	2	orange
	3	orange
	4	orange
	10	orange
for bridging between non-adjacent terminals	10	orange

**Fixed bridge**, insulated 10 silver

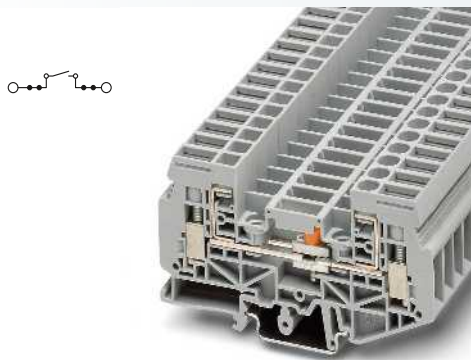
**Switching lock**, excludes the possibility of an unintentional operation of the disconnect slide white

**Short-circuit plug**, for short circuiting neighboring terminal blocks, fully insulated, 2-pos. black

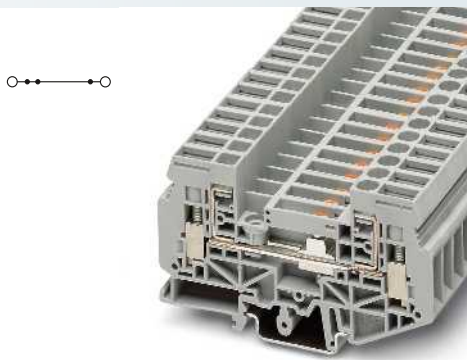
4-pos. Test socket, insulated		
	black	transparent
	blue	yellow
	green	green
	violet	violet

**Screwdriver**, for the terminal point  
**Screwdriver**, for the test plug socket

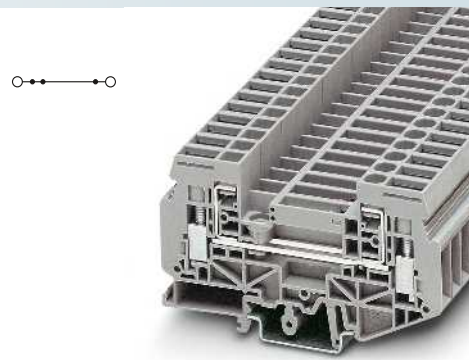
#### Lateral groove marking



6 (10) mm<sup>2</sup>, 57 A, test disconnect terminal block



6 (10) mm<sup>2</sup>, 57 A, slide-type terminal block



6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block, same shape



Technical data			
Width	Length	Height NS 35/7,5	
8.2	91	51	
Width	Length	Height NS 32	
8.2	91	56	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	400	0.5 - 10	26-8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10	M4 / 1.2 - 1.4		
M3 / 0.6 - 0.8	0.6 - 0.8		
PA	V0		

Technical data			
Width	Length	Height NS 35/7,5	
8.2	91	51	
Width	Length	Height NS 32	
8.2	91	56	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	400	0.5 - 10	26-8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10	M4 / 1.2 - 1.4		
M3 / 0.6 - 0.8	0.6 - 0.8		
PA	V0		

Technical data			
Width	Length	Height NS 35/7,5	
8.2	91	51	
Width	Length	Height NS 32	
8.2	91	56	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	400	0.5 - 10	26-8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10	M4 / 1.2 - 1.4		
- / -	0.6 - 0.8		
PA	V0		

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
URTK 6		3026272	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
UGSK 6		3026285	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
URDK 6		3026706	50

Accessories			
D-URTK 6		3026340	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T	41 A	3026382	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	45 A	2772080	10
S-URTK/SP		0311155	50
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
D-URTK 6		3026340	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T	41 A	3026382	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	45 A	2772080	10
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
D-URTK 6		3026340	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T	41 A	3026382	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	45 A	2772080	10
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

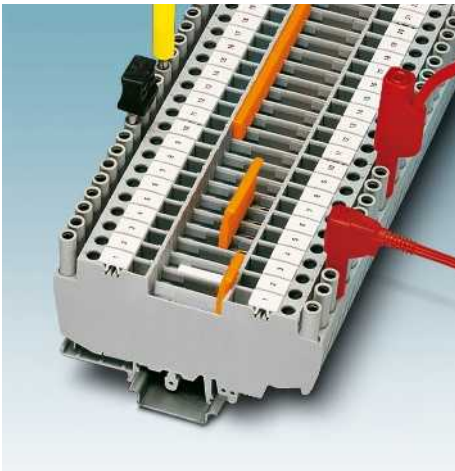
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)

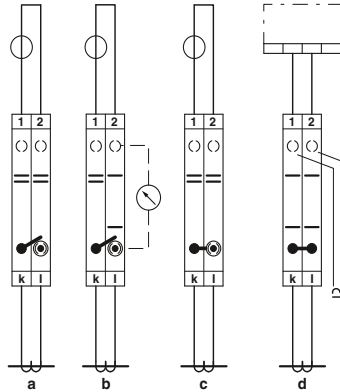
# Terminal blocks

## UK universal terminal blocks

### Test disconnect terminal blocks URTK/SP

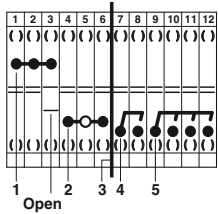


- Test disconnect terminal block URTK/SP should be used for all measurement and test work in the current transformer secondary circuits
- The terminal blocks can be equipped with fixed and switchable bridges on both sides
- Touch-proof test sockets with 4 mm diameter are already permanently integrated
- The URTKD/SP can be used as a feed-through terminal block of the same shape without a disconnect function

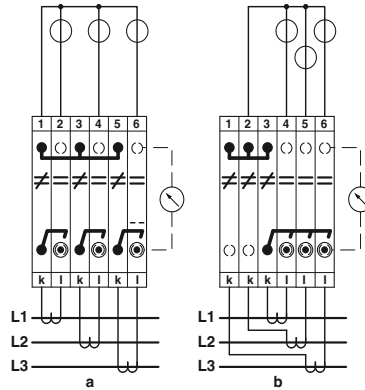


- The URTK/SP test disconnect terminal block and the SB 2-URTK/SP 2-pos. switching jumper can be used to perform all switching tasks per current transformer core
- a Normal operation
- b Measurement checking
- c Transformer short circuit
- d Relay checking

Test terminal block URTK/SP



Type	Order no.
1 FBI 10-8	0202263
FB 10-URTK/SP	0311663
2 ISSBI 10-8	0301534
+ IS-K 10	1303337
3 ATP-URTK/SP	0311139
4 SB 2-URTK/SP	0360012
5 SB 4-URTK/SP	0360025



- Circuit example
- a Three-phase current transformer set
  - b Linked three-phase current transformer set

#### Dimensions

[mm]

#### Dimensions

[mm]

#### Max. electrical data

#### Rated data

Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG

#### Connection capacity

1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]

#### General data

Stripping length	[mm]
Terminal point: thread / torque	- / [Nm]

Disconnect slide: thread / torque - / [Nm]

Insulating material  
Inflammability class according to UL 94

Description	No. of pos.	Color
<b>Test disconnect terminal block</b> , for mounting on NS 35 ... and NS 32 ...		gray
<b>Feed-through terminal block</b> , for mounting on NS 32... or NS 35...		gray

<b>Fixed bridge</b> , insulated	10	silver
---------------------------------	----	--------

**Fixed jumper**, for cross connections on both sides of the disconnect point, insulated, can be separated, with 10 screws

<b>Switching jumper for 2 terminal blocks</b> , for use on both sides of the disconnect point, inward switching movement, with 2 screws	10	silver
---	----	--------

	2	silver
	4	silver

**Isolator bridge bar**, can be separated, with 10 screws, for switchable branches with IS-K...

<b>Bridge bar isolator</b> , as distance piece for isolator bridge bar	10	silver
<b>Switching lock</b> , excludes the possibility of an unintentional operation of the disconnect slide		gray

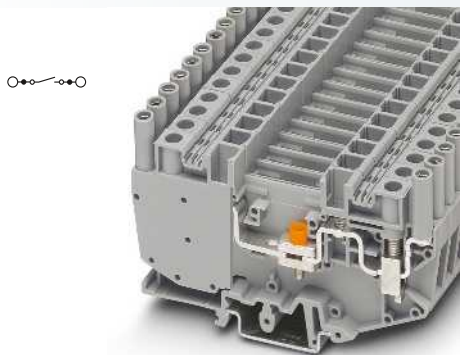
**Partition plate**, 2 mm width

<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		white
		black

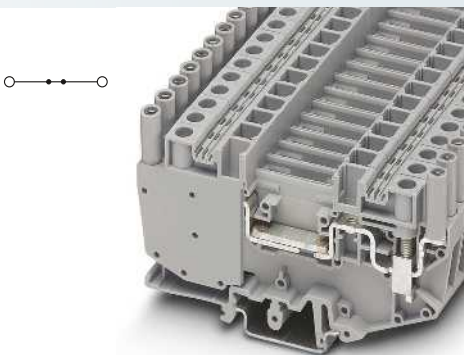
4-pos. black

#### Screwdriver

#### Lateral groove marking



6 (10) mm<sup>2</sup>, 50 A, test disconnect terminal block



6 (10) mm<sup>2</sup>, 50 A, feed-through terminal block, same shape



Short-circuit plug



Technical data			
Width	Length	Height NS 35/7,5	
8.2	99.5	59	
Width	Length	Height NS 32	
8.2	99.5	64	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
50	500	0.5 - 10	26-8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	300	300	-
41 / 6	45 / -	45 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
8.2	99.5	59	
Width	Length	Height NS 32	
8.2	99.5	64	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
50	500	0.5 - 10	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
500	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
16.2	11	-	
Width	Length	Height NS 32	
16.2	11	-	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		-	-
IEC			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
- / -			
- / -			
PA-F			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
URTK/SP		0311126	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
URTKD/SP		0311142	50

Ordering data		
Type	Order No.	Pcs. / Pkt.

Accessories			
FBI 10- 8	50 A	0203263	10
FB 10- URTK/SP	50 A	0311663	10
SB 2-URTK/SP	35 A	0360012	10
SB 4-URTK/SP	35 A	0360025	10
ISSBI 10- 8	35 A	0301534	10
IS-K 10		1303337	100
S-URTK/SP		0311155	50
ATP-URTK/SP		0311139	10
SZS 1,0X4,0 VDE		1205066	10
ZB 8 (see Catalog 5)			

Accessories			
FBI 10- 8	50 A	0203263	10
FB 10- URTK/SP	50 A	0311663	10
SB 2-URTK/SP	35 A	0360012	10
SB 4-URTK/SP	35 A	0360025	10
ISSBI 10- 8	35 A	0301534	10
IS-K 10		1303337	100
ATP-URTK/SP		0311139	10
SZS 1,0X4,0 VDE		1205066	10
ZB 8 (see Catalog 5)			

Accessories		
KSSI 2-8	3000722	10
KSSI 4-8	3000735	10

# Terminal blocks

## UK universal terminal blocks

### Screw connection test disconnect terminal block with UK 4-SD test isolating plug

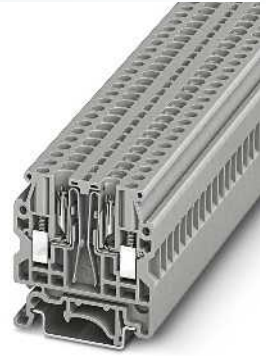
This disconnect terminal block offers numerous advantages especially for testing in measuring and signal circuits:

- Simultaneous interruption of individual or multiple neighboring disconnect terminal blocks by using the PS 6-DI-SD isolating plug
- Safe, uninterruptible looping in of measuring devices in the circuit with the aid of the PS 6-CT-SD test isolating plug
- Safe contacting of the potentials after opening the disconnect point through use of the PS 6-VT-SD test isolating plug
- Terminal points in the test isolating plugs allow individual test applications to be wired
- Easy potential distribution in the terminal strip with insertion bridges

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

### Circuit examples

- Normal operation: no plug inserted
- Measurement checking: looping in a measuring device with the PS 6-CT-SD test isolating plug
- Current transformer short circuit: measurement split between two positions



4 (6) mm<sup>2</sup>, test disconnect terminal block



<b>Dimensions</b>		[mm]
<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	10 / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	20 - 10
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.5 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
<b>General data</b>		
Stripping length	[mm]	9
Screw thread		M3
Tightening torque	[Nm]	0.6 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V0

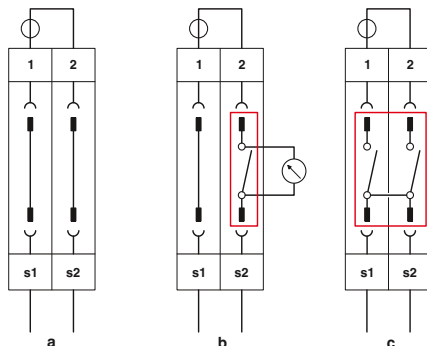
Technical data			
Width	Length	Height NS 35/7,5	
6.2	45.5	47.3	
Width	Length	Height NS 32	
6.2	45.5	52.3	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
10	500	0.5 - 6	20-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	500	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	10 / 4	10
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	20 - 10	20-10
<b>Connection capacity</b>		Solid	Stranded
			Ferrule
			without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.5 - 6	0.5 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 1.5	0.5 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-

Description	No. of pos.	Color
<b>Test disconnect terminal block</b> , for mounting on NS 35		gray
<b>Isolating plug</b>		gray
<b>Test isolating plug</b>		green
<b>Test isolating plug</b>		red
<b>Cover</b> , width 2.2 mm		gray
<b>Insertion bridge</b> , insulated		
	2	gray
	3	gray
	10	gray
<b>Partition plate</b> , 1.5 mm wide		gray
<b>Screwdriver</b>		
<b>Lateral groove marking</b>		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>UK 4-SD</b>		<b>3246861</b>	50

Accessories			
D-UK 4-SD		Order No.	Pcs. / Pkt.
<b>EB 2-6</b>	11 A	<b>0201155</b>	100
<b>EB 3-6</b>	11 A	<b>0201142</b>	100
<b>EB 10-6</b>	11 A	<b>0201139</b>	10
<b>ATP-UK</b>		<b>3003224</b>	50
<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

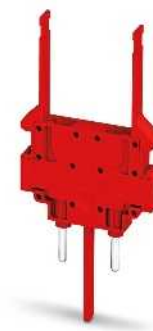




Isolating plug, disconnect function only



1.5 (2.5) mm<sup>2</sup> test isolating plug, contacts before the signal isolation



1.5 (2.5) mm<sup>2</sup> test isolating plug, contacts after the signal isolation



Technical data			
Width	Length	Height NS 35/7,5	
6.2	39.3	-	
Width	Length	Height NS 32	
6.2	39.3	-	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		-	20-10
IEC	UL	CSA	IEC/EN 60079-7
-	300	-	-
-	-	-	-
-	-	-	-
-	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	39.3	-	
Width	Length	Height NS 32	
6.2	39.3	-	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.5 - 2.5	20-10
I <sub>max</sub> [A]	U <sub>max</sub> [V]		
8	250		
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250	300	-	-
6	10	-	-
2.5	-	-	-
20 - 14	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1.5
-	-	-	-
-	-	-	-
7			
M3			
0.3 - 0.5			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
6.2	39.3	-	
Width	Length	Height NS 32	
6.2	39.3	-	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.5 - 2.5	20-10
I <sub>max</sub> [A]	U <sub>max</sub> [V]		
8	250		
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
250	300	-	-
6	10	-	-
2.5	-	-	-
20 - 14	20-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1.5
-	-	-	-
-	-	-	-
7			
M3			
0.3 - 0.5			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
PS 6-DI-SD	3246856	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
PS 6-CT-SD	3246857	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
PS 6-VT-SD	3246858	50

Accessories		

Accessories		
SZF 1-0,6X3,5	1204517	10

Accessories		
SZF 1-0,6X3,5	1204517	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

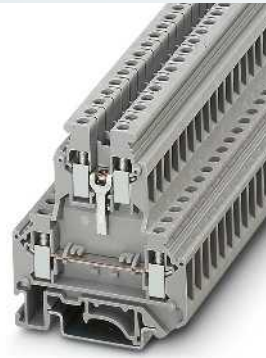
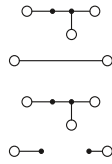
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)

# Terminal blocks

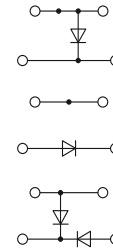
## UK universal terminal blocks

### Double-level diode terminal blocks UKK ...

- Double-level diode terminal blocks with various forms of wiring are available for a huge range of applications
- Electronic components can be individually soldered with UKK 5-BE



4 (4) mm<sup>2</sup>, 32 A, double-level terminal block for soldering in components



4 (4) mm<sup>2</sup>, 32 A, double-level diode terminal block

Notes:
1) Integrated: Rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A
2) Max. installation width of components to be soldered in: 5 mm
3) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

ERC

ERC

Dimensions		[mm]	
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	500	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	-
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	24 - 12	-
Connection capacity		Solid	Stranded
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
General data			
Stripping length	[mm]	8	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
6.2	56	62	
Width	Length	Height NS 32	
6.2	56	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.2 - 4	-
IEC 60947-7-1	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	-
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	24 - 12	-
Connection capacity		Solid	Stranded
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
General data			
Stripping length	[mm]	8	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
6.2	56	62	
Width	Length	Height NS 32	
6.2	56	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	500	0.2 - 4	26-10
IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	24 - 12	26-10
Connection capacity		Solid	Stranded
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
General data			
Stripping length	[mm]	8	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Description	No. of pos.	Color
Terminal block, component can be soldered in <sup>2)</sup>		gray
Terminal block, for soldering in a component from top to bottom left and from bottom right to bottom left <sup>2)</sup>		gray
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom <sup>3)</sup>		gray
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top <sup>3)</sup>		gray
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right <sup>3)</sup>		gray
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from bottom right to bottom left <sup>1)</sup>		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5-BE		3048027	50
UKK 5-2 BE		3048030	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 5-DIO/O-U		2791016	50
UKK 5-DIO/U-O		2791032	50
UKK 5-DIO/UL-UR		2791029	50
UKK 5-2DIO/O-UL/UR-UL		2791113	50

Accessories		
Cover, width 2.5 mm	gray	D-UKK 3/5
Spacer plate, compensates for level offsets, width 2.5 mm	gray	DP-UKK 3/5
Fixed bridge, insulated	10	silver
Screwdriver		
Later groove marking		

Accessories			
D-UKK 3/5		2770024	50
DP-UKK 3/5		2770794	50
FBI 10- 6	32 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

Accessories			
D-UKK 3/5		2770024	50
DP-UKK 3/5		2770794	50
FBI 10- 6	32 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

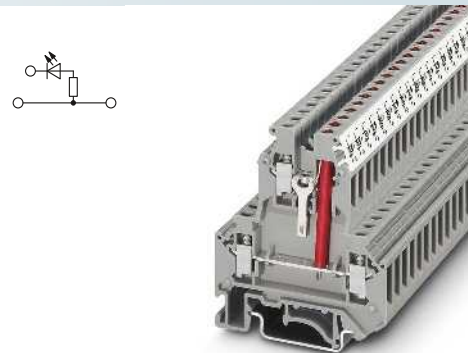


## Double-level terminal blocks with LED display UKK ...

- The integrated LED display in UKK 5-LA ... indicates the voltage condition of the lower feed-through level
- Available in three voltage levels up to 250 V

### Notes:

1) The operating voltage is determined by the LED version.



4 (4) mm<sup>2</sup>, 32 A, double-level terminal block with LED



Dimensions		
		[mm]
Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	500 <sup>1)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 12
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
General data		
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.6 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V0

Technical data				
Width	Length	Height NS 35/7,5		
6.2	56	62		
Width	Length	Height NS 32		
6.2	56	67		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500 <sup>1)</sup>	0.2 - 4	26-10	
IEC	UL	CSA	IEC/EN 60079-7	
500 <sup>1)</sup>	600	-	-	
32 / 4	20 / -	-	-	
4	-	-	-	
24 - 12	26-10	-	-	
Solid		Stranded		Ferrule
				without/with plastic sleeve
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1.5	

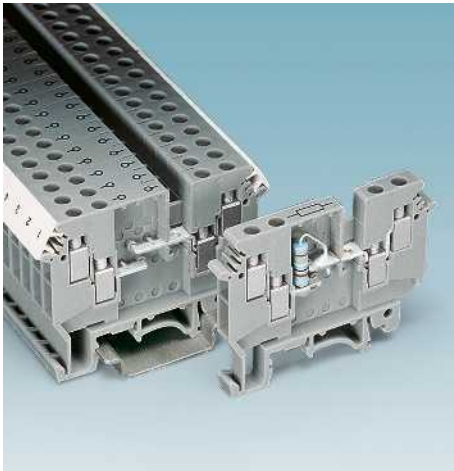
Description	No. of pos.	Color
Double-level terminal block, with LED display for 12 - 30 V DC, 0.7 - 2.4 mA		gray
With LED display for 30-60 V DC, 0.8-1.8 mA		gray
With LED display for 110-250 V AC/DC, 0.1-0.5 mA		gray

Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
UKK 5-LA 24 RD/U-O		2791320	50	
UKK 5-LA 60 RD/U-O		2791333	50	
UKK 5-LA 230		2791359	50	

Cover, width 2.5 mm		gray
Spacer plate, compensates for level offsets, width 2.5 mm		gray
Fixed bridge, insulated	10	silver
Insertion bridge, insulated	2	gray
	3	gray
	10	gray
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Partition plate, 2.5 mm wide		gray
Screwdriver		
Lateral groove marking		

Accessories				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
D-UKK 3/5		2770024	50	
DP-UKK 3/5		2770794	50	
FBI 10- 6	32 A	0203250	10	
EB 2- 6	28 A	0201155	100	
EB 3- 6	28 A	0201142	100	
EB 10- 6	28 A	0201139	10	
ISSBI 10- 6	24 A	0301505	10	
IS-K 4		1302338	100	
TS-KK 3		2770215	50	
ATP-UKK 3/5		2778521	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 6 (see Catalog 5)				

### Component terminal blocks UDK ...



- The constant current circuits common in process automation transmit the measured values as a load-independent current of 0(4) - 20 mA
- A voltage signal pick-off can be implemented in the measuring line using this terminal block, thus allowing the signal to be used as an analog signal for process computers
- The four-conductor connection permits convenient wiring
- The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 249 Ω resistor

Notes:
1) The current is determined by the component used.
Maximum width of components to be soldered in: 5 mm



**4 (6) mm<sup>2</sup>, feed-through terminal block, 4 connections, with differential voltage resistor**



Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
Rated data		
Rated voltage	[V]	630
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 <sup>1)</sup> / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 10
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5
General data		
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.6
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data				
Width	Length	Height NS 35/7,5		
6.2	63.5	47		
Width	Length	Height NS 32		
6.2	63.5	52		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
	630	0.2 - 6	-	
IEC	UL	CSA	IEC/EN 60079-7	
	-	600	-	
	-	10 / -	-	
	-	-	-	
	-	22-10	-	
	Solid	Stranded	Ferrule	
			without/with plastic sleeve	
	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
	-	-	-	0.5 - 1
	2.5	2.5	-	-

Description	No. of pos.	Color
Differential voltage terminal block, for self-soldering a resistor		gray
With built-in resistor 249 Ω / ± 1% / 1 W		gray

Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
UDK 4-DUR		2775207	50	
UDK 4-DUR 249		2775249	50	

Accessories		
Cover, width 1.5 mm		gray
Fixed bridge, insulated		
Insertion bridge, insulated	10	silver
	2	gray
	3	gray
	10	gray
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Screwdriver		
Lateral groove marking		

Accessories				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
D-UDK 4		2775113	50	
FBI 10- 6	32 A	0203250	10	
EB 2- 6	26 A	0201155	100	
EB 3- 6	26 A	0201142	100	
EB 10- 6	26 A	0201139	10	
ISSBI 10- 6	32 A	0301505	10	
IS-K 4		1302338	100	
TS-KK 3		2770215	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 6 (see Catalog 5)				

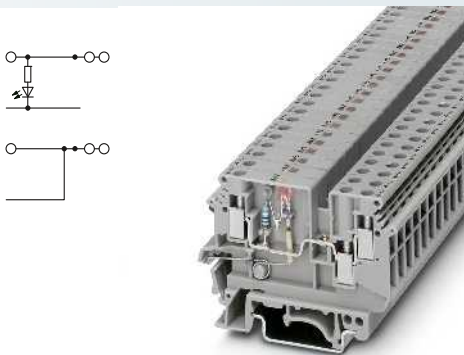
**LED display terminal blocks for voltage and current UDK ...**

**UDK 4-ULA ...**

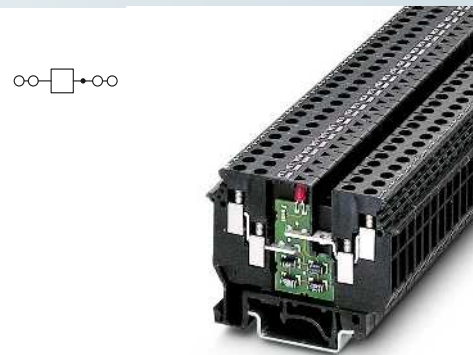
- An LED indicates the potential status of the feed-through circuit line
- The LED return conductor is implemented with an RS busbar and UDK 4-ULA/EK power terminal

**UDK 4-ILA ...**

- For the 4 to 500 mA current range
- If a load current flows through the load, this is indicated by the LED



**4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block, 3 connections, with voltage indicator**



**4 (6) mm<sup>2</sup>, 0.5 A, feed-through terminal block, 4 connections, with current indicator up to 1000 mA**



<b>Notes:</b>
<sup>1)</sup> Note load current diagram, see phoenixcontact.net/products
<sup>2)</sup> To neighboring terminal blocks

Technical data				
Width	Length	Height NS 35/7,5		
6.2	63.5	47		
Width	Length	Height NS 32		
6.2	63.5	52		
<i>I</i> <sub>max</sub> [A]	<i>U</i> <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	500 <sup>2)</sup>	0.2 - 6	30-10	
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500 <sup>2)</sup>	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	10 / -
Rated cross section	[mm <sup>2</sup> ]	4	-	-
Cross section range	AWG	24 - 10	30-10	22-12
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4    0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5	0.25 - 1.5    -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 2.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5	-    -
<b>General data</b>				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Technical data				
Width	Length	Height NS 35/7,5		
6.2	63.5	47		
Width	Length	Height NS 32		
6.2	63.5	52		
<i>I</i> <sub>max</sub> [A]	<i>U</i> <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
0.5 <sup>1)</sup>	500 <sup>2)</sup>	0.2 - 6	30-10	
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500 <sup>2)</sup>	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	0.5 / 4	0.5 / -	0.5 / -
Rated cross section	[mm <sup>2</sup> ]	4	-	-
Cross section range	AWG	24 - 10	30-10	22-10
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4    0.25 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1	0.2 - 1.5	0.25 - 1.5    -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 2.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5	-    -
<b>General data</b>				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Description	No. of pos.	Color
<b>Voltage indicator terminal block</b> , for mounting on NS 32... or NS 35..., with LED display for 15-30 V DC		gray
With LED for 30-60 V DC		gray
With LED for 110-230 V AC/DC		gray
<b>Power terminal</b> , for connecting the reference potential to the return busbar RS, <i>I</i> <sub>max</sub> 2 A		blue
<b>Return busbar</b> , engaged in terminal block and led parallel to terminal strip, length: 1 m, Ø 3 mm		silver
<b>Current indicator terminal</b> , for mounting on NS 32... or NS 35..., displays the current flow of an auxiliary current circuit using the LED		black

Ordering data				
Type	<i>I</i> <sub>max</sub>	Order No.	Pcs. / Pkt.	
UDK 4-ULA 24 RD/O-U		2775045	50	
UDK 4-ULA 48 RD/O-U		2775032	50	
UDK 4-ULA 230		2775058	50	
UDK 4-ULA/EK		2775029	50	
RS		2775126	1	
UDK 4-ILA 500		2775061	50	

Ordering data				
Type	<i>I</i> <sub>max</sub>	Order No.	Pcs. / Pkt.	
UDK 4-ILA 500		2775061	50	

Accessories		
Part	Quantity	Color
Cover, width 1.5 mm		gray
Fixed bridge, insulated	10	silver
Insertion bridge, insulated	2	gray
	3	gray
	10	gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Screwdriver		
Lateral groove marking		

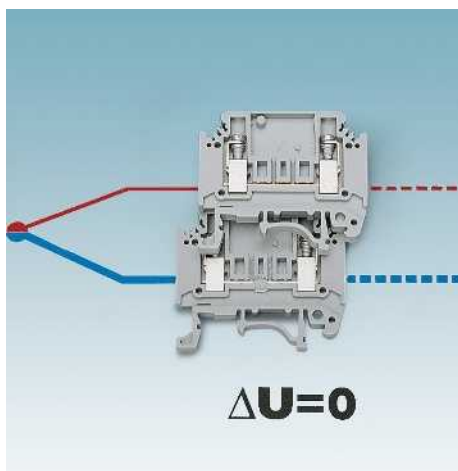
Accessories				
Part	Quantity	Order No.	Pcs. / Pkt.	
D-UDK 4		2775113	50	
FBI 10- 6	32 A	0203250	10	
EB 2- 6	26 A	0201155	100	
EB 3- 6	26 A	0201142	100	
EB 10- 6	26 A	0201139	10	
TS-KK 3		2770215	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 6 (see Catalog 5)				

Accessories				
Part	Quantity	Order No.	Pcs. / Pkt.	
D-UDK 4		2775113	50	
FBI 10- 6	32 A	0203250	10	
EB 2- 6	26 A	0201155	100	
EB 3- 6	26 A	0201142	100	
EB 10- 6	26 A	0201139	10	
TS-KK 3		2770215	50	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 6 (see Catalog 5)				

# Terminal blocks

## UK universal terminal blocks

### Thermoelectric voltage terminal block pair, MTKD-...



- These special terminal blocks are used to extend thermocouple compensating lines in corresponding measuring circuits
- The compensating lines are made of materials which, up to temperatures of 200 °C, have the same thermal characteristics as the corresponding thermocouples
- This ensures that no false thermoelectric voltages result at the junctions of the thermocouple/terminal block/compensating line and that the basic values according to EN 60584/DIN EN 60584 are adhered to

<b>Notes:</b>
1) Voltage to the neighboring feed-through terminal MTK.
For table for selecting thermoelectric voltage terminal blocks, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>



2.5 (4) mm<sup>2</sup>, feed-through terminal block pair



<b>Dimensions</b>			
		[mm]	
<b>Dimensions</b>			
		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	400 <sup>1)</sup>	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	1	10 / -
Rated cross section	[mm <sup>2</sup> ]	2.5	-
Cross section range	AWG	24 - 12	28-12
<b>Connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5
<b>General data</b>			
Stripping length	[mm]	7	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
10.4	46	40	
Width	Length	Height NS 32	
10.4	46	45	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
1	400 <sup>1)</sup>	0.2 - 4	28-12
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400 <sup>1)</sup>	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	1	10 / -
Rated cross section	[mm <sup>2</sup> ]	2.5	-
Cross section range	AWG	24 - 12	28-12
<b>Connection capacity</b>		Solid	Stranded
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5
<b>General data</b>			
Stripping length	[mm]	7	
Screw thread		M3	
Tightening torque	[Nm]	0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

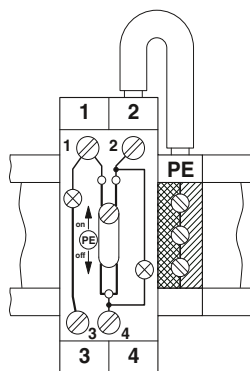
Description	Color
Thermocouple terminal block pair for CU/CUNI44, Copper/constantan, USA type T	gray
Thermocouple terminal block pair for FE/CUNI44, Iron/constantan, USA type J	gray
Thermocouple terminal block pair for NICR/CUNI44, Nickel-chrome/constantan, USA type E	gray
Thermocouple terminal block pair for NICRSI/NISI, Nickel-chrome silicon/nickel silicon, USA type N	gray
Thermocouple terminal block pair for NICR/NI, Nickel-chrome/Nickel, USA type K	gray
Thermocouple terminal block pair for E-CU/A-CU, Copper/copper nickel, USA type R	gray
Thermocouple terminal block pair for S-CU/E-CU, S-copper/copper, USA type B	gray

<b>Cover</b> , width 1 mm	gray
<b>Partition plate</b> , for visual and electrical separation of terminal groups, 1.0 mm thick	gray
<b>Screwdriver</b>	SZS 1,0X4,0 VDE
<b>Lateral groove marking</b>	ZB 10 (see Catalog 5)

Ordering data		
Type	Order No.	Pcs. / Pkt.
MTKD-CU/CUNI	3100059	50
MTKD-FE/CUNI	3100046	50
MTKD-NICR/CUNI	3100075	50
MTKD-NICRSI/NISI	5043321	50
MTKD-NICR/NI	3100062	50
MTKD-E-CU/A-CU	3100091	50
MTKD-S-CU/E-CU	3100101	50

Accessories		
Type	Order No.	Pcs. / Pkt.
D-MTK	3101029	50
ATS-MTK	3101223	50
SZS 1,0X4,0 VDE	1205066	10
ZB 10 (see Catalog 5)		

**GTF 76 ground disconnect terminal block**



6 (10) mm<sup>2</sup>, 57 A, ground disconnect terminal block



EN 60204-1/VDE 0113-1 "Electrical Equipment of Industrial Machines", Section 9.4.3.1 states:

- "Ground faults in a control circuit may not lead to an unintentional start-up, to potentially dangerous movements or prevent the stopping of a machine."
- The ground disconnect terminal block GTF 76 conveniently solves this problem
  - When the disconnect slide is closed, switch position "on", the yellow light signals grounded normal operation
  - Once the disconnect slide has been opened to the "off" position, the red light indicates whether there is a ground fault in the control circuit

**Note:**

- Asymmetries in the cable isolation mean that the red display may easily light up even when there is no ground fault if the disconnect slide is open. This has no impact on functionality and does not affect the protective measure demanded in the VDE requirements

**Attention!**

- During isolation testing according to EN 60204-1/VDE 0113-1, the GTF 76 should be disconnected or bridged as otherwise the LED display will be destroyed or a short circuit will occur

**Notes:**  
1) 250 V for GTF 76/230

<b>Dimensions</b>	[mm]	Width	Length	Height NS 35/7,5
		22.5	64.5	54
<b>Dimensions</b>	[mm]	Width	Length	Height NS 32
		22.5	64.5	59
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	Max. $\varnothing$ [mm <sup>2</sup> ]
		57	110 <sup>1)</sup>	0.5 - 10
<b>Rated data</b>		IEC	UL	CSA
Rated voltage	[V]	110 <sup>1)</sup>	250	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	50 / -	-
Rated cross section	[mm <sup>2</sup> ]	6	-	-
Cross section range	AWG	20 - 8	26-8	-
<b>Connection capacity</b>		Solid	Stranded	Ferrule
1 conductor	[mm <sup>2</sup> ]	0.5 - 10	0.5 - 6	without/with plastic sleeve
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 6	0.5 - 6	0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	0.5 - 6
<b>General data</b>				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.2 - 1.5		
Insulating material		PA		
Inflammability class according to UL 94		V0		

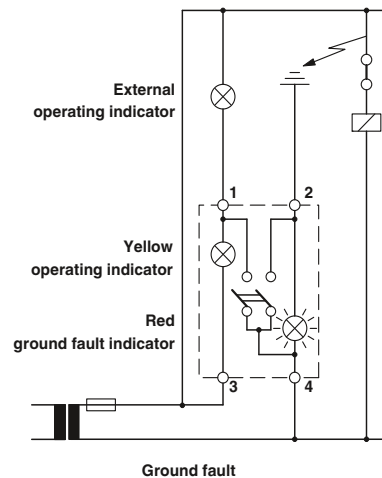
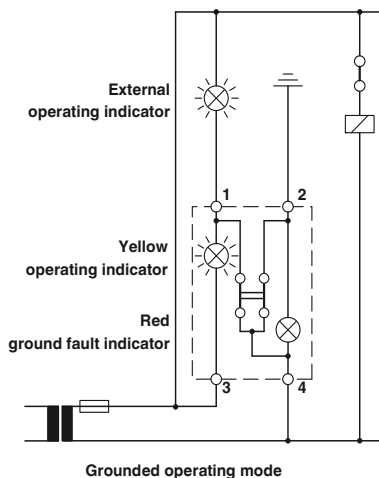
Technical data				
Width	Length	Height NS 35/7,5		
22.5	64.5	54		
Width	Length	Height NS 32		
22.5	64.5	59		
$I_{max}$ [A]	$U_{max}$ [V]	Max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)	
57	110 <sup>1)</sup>	0.5 - 10	26-8	
IEC	UL	CSA	IEC/EN 60079-7	
110 <sup>1)</sup>	250	-	-	
41 / 6	50 / -	-	-	
6	-	-	-	
20 - 8	26-8	-	-	
Solid	Stranded		Ferrule	
			without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 4	
0.5 - 6	0.5 - 6	0.5 - 6	-	
-	-	-	0.5 - 4	

<b>Description</b>	<b>Color</b>
<b>Basic disconnect terminal block</b> , for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 110-250 V AC/DC, current: 0.5-1 mA	gray
<b>Basic disconnect terminal block</b> , for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 24-48 V AC/DC, current: 3.5-8 mA	gray

Ordering data		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
GTF 76/230	3121012	10
GTF 76/ 48	3121025	10

<b>Screwdriver</b>
Lateral groove marking

Accessories	
SZS 1,0X4,0 VDE	1205066
ZB 10 (see Catalog 5)	10



# Terminal blocks

## UK universal terminal blocks with special connection

### Feed-through terminal blocks with flat plug connection UVKB ... and UHK ...



#### UVKB terminal blocks

- The front flat plug connection is the optimum wiring design for tight spaces and if cable ducts need moving close to the terminal strip
- The housing walls only protrude slightly beyond the metal parts because it is assumed that fully-isolated plug-in sleeves are connected
- The slotted plugs allow a fully isolated or two bare 2.8 mm plug-in sleeves to be slid on in place of one 6.3 mm flat plug-in sleeve

#### UHK terminal blocks

Owing to the characteristic arrangement of three slip-on blade connectors on each terminal block side, UHK... terminal blocks prove to be advantageous in technical applications:

- Economical use of terminal blocks and bridge connections
- Convenient operation, i. e., free view of the connectors, good connector accessibility and quick connection check
- The marking is easily visible due to the smart wire guiding in the lateral cable ducts
- Reading the marking from the front

<b>Notes:</b>
For corresponding slip-on sleeves, see Catalog 5.
<sup>1)</sup> Current and voltage data for quick connect terminations according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.



4 (4) mm<sup>2</sup>, 29 A, feed-through terminal block, with screw and slip-on connection



<b>Dimensions</b>		
		[mm]
<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	500 <sup>1)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	29 / 4
Rated cross section	[mm <sup>2</sup> ]	4
Cross section range	AWG	24 - 12
<b>Connection capacity screw connection</b>		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	4
<b>General data</b>		
Stripping length	[mm]	8
Screw thread		M3
Tightening torque	[Nm]	0.6 - 0.8
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data			
Width	Length	Height NS 35/7,5	
6.2	68	44	
Width	Length	Height NS 32	
6.2	68	49	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
29 <sup>1)</sup>	500 <sup>1)</sup>	0.2 - 4	28-12
IEC	UL	CSA	IEC/EN 60079-7
500 <sup>1)</sup>	300	-	-
29 / 4	25 / -	-	-
4	-	-	-
24 - 12	28-12	-	-
<b>Connection capacity screw connection</b>	Solid	Stranded	Ferrule
			without/with plastic sleeve
1 conductor	0.2 - 4	0.2 - 4	0.25 - 4    0.25 - 2.5
2 conductors (of the same type)	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5    -
2 stranded conductors with a TWIN ferrule	-	-	-    0.5 - 2.5
Max. cross section with insertion bridge	4	4	-    -

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors <sup>1)</sup>		gray

Cover, width 2.2 mm		gray
Cover, width 2.3 mm		gray
Fixed bridge, insulated	10	silver
Insertion bridge, insulated		
	2	gray
	3	gray
	10	gray
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Partition plate, for visual and electrical isolation of terminal groups, 2.3 mm thick		gray
Test socket		silver
Test socket, insulated, can be used only with FBI and ISSBI		silver
Screwdriver		
Center groove marking		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UVKB 4-FS(6-2,8-0,8)		1954016	50

Accessories			
D-UVKB 4		1920024	50
FBI 10- 6	24 A	0203250	10
EB 2- 6	24 A	0201155	100
EB 3- 6	24 A	0201142	100
EB 10- 6	24 A	0201139	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-K		1302215	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

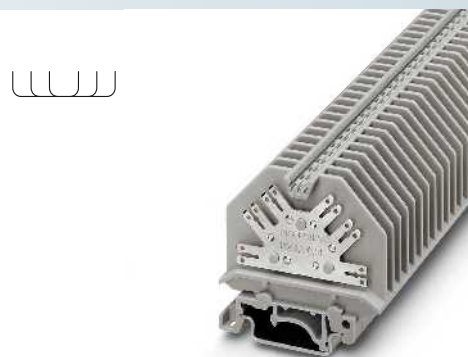
UK universal terminal blocks with special connection



4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block, with spade connection



4 (4) mm<sup>2</sup>, 40 A, feed-through terminal block, with screw and slip-on connection



40 A, feed-through terminal block, with slip-on connection



Technical data			
Width	Length	Height NS 35/7,5	
6.2	68	44	
Width	Length	Height NS 32	
6.2	68	49	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32 <sup>1)</sup>	800 <sup>1)</sup>	0.5 - 6	-
IEC	UL	CSA	IEC/ EN 60079-7
800 <sup>1)</sup>	300	-	-
32 <sup>1)</sup> / 4	25 / -	-	-
4	-	-	-
20 - 10	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PA	PA	-	-
V2	V2	-	-

Technical data			
Width	Length	Height NS 35/7,5	
6.2	54	51.5	
Width	Length	Height NS 32	
6.2	54	56.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
40 <sup>1)</sup>	800 <sup>1)</sup>	0.2 - 4	28-12
IEC	UL	CSA	IEC/ EN 60079-7
800 <sup>1)</sup>	250	600	-
32 <sup>1)</sup> / 4	25 / -	20 / -	-
4	-	-	-
24 - 12	28-12	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
-	-	-	-
9	-	-	-
M3	-	-	-
0.6 - 0.8	-	-	-
PA	PA	-	-
V2	V2	-	-

Technical data			
Width	Length	Height NS 35/7,5	
6.2	54	51.5	
Width	Length	Height NS 32	
6.2	54	56.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
40 <sup>1)</sup>	800 <sup>1)</sup>	0.5 - 6	-
IEC	UL	CSA	IEC/ EN 60079-7
800 <sup>1)</sup>	250	600	-
40 <sup>1)</sup>	25 / -	20 / -	-
-	-	-	-
20 - 10	-	22-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PA	PA	-	-
V2	V2	-	-

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UVKB 4-FS/FS(8-2,8-0,8)		1953017	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UHK 4-FS(8-2,8-0,8)		2017237	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UHK 4-FS/FS(12-2,8-0,8)		2017224	50

Accessories			
D-UVKB 4		1920024	50
FBI 10- 6	24 A	0203250	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-K		1302215	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10

Accessories			
D-HK 4		2002022	50
EB 2- 6	30 A	0201155	100
EB 3- 6	30 A	0201142	100
EB 10- 6	30 A	0201139	10
D-UVK 4		1922022	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Accessories			
D-HK 4		2002022	50
D-UVK 4		1922022	50

ZB 6 (see Catalog 5)

ZB 6 (see Catalog 5)

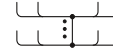
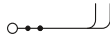
ZB 6 (see Catalog 5)

# Terminal blocks

## UK universal terminal blocks with special connection

### Feed-through terminal blocks with slip-on connection VBST ... and PVB ...

<b>Notes:</b>
1) Current and voltage data for quick connect according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.
2) Nominal current of the module connector per position: 13 A



**2.5 (4) mm<sup>2</sup>, 32 A, feed-through terminal block, with screw and slip-on connection**

**4 (6) mm<sup>2</sup>, 30 A, equipotential bonder terminal block base with slip-on connection**

ERC

ERC

		Technical data			
<b>Dimensions</b>		Width	Length	Height NS 35/7,5	
	[mm]	<b>6.2</b>	<b>72</b>	<b>39.5</b>	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		<b>32<sup>2)</sup></b>	<b>800<sup>1)</sup></b>	<b>0.2 - 4</b>	-
<b>Rated data</b>		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	800 <sup>1)</sup>	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	-	-	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	24 - 12	-	-	-
<b>Connection capacity screw connection</b>		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5	2.5	-	-
<b>General data</b>					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

		Technical data			
<b>Dimensions</b>		Width	Length	Height NS 35/7,5	
	[mm]	<b>17</b>	<b>80</b>	<b>43.5</b>	
<b>Max. electrical data</b>		$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		<b>30<sup>1)</sup></b>	<b>800<sup>1)</sup></b>	<b>0.5 - 6</b>	-
<b>Rated data</b>		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	800 <sup>1)</sup>	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 <sup>1)</sup> / 4	-	-	-
Rated cross section	[mm <sup>2</sup> ]	4	-	-	-
Cross section range	AWG	20 - 10	-	-	-
<b>Connection capacity screw connection</b>		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 6	0.5 - 6	-	-
2 conductors (of the same type)	[mm <sup>2</sup> ]	-	-	-	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	-	-	-	-
<b>General data</b>					
Stripping length	[mm]	-			
Screw thread		-			
Tightening torque	[Nm]	-			
Insulating material		PA			
Inflammability class according to UL 94		V2			

			Ordering data			
Description	No. of pos.	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
<b>Terminal block</b> , for mounting on NS 35..., with three slotted 6.3/2.8 mm slip-on blade connectors		gray	<b>VBST 4-FS(6-2,8-0,8)</b>		<b>0852012</b>	50
<b>Terminal block</b> , for mounting on NS 35..., with two slotted 6.3/2.8 mm flat plugs and double function shaft for FBS ...6 jumpers		gray	<b>VBSTB 4-FS (6-2,8-0,8)</b>		<b>3070435</b>	50
<b>Equipotential bonder</b> , for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 8 slots, terminal width: 17 mm		gray				
<b>Equipotential bonder</b> , for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 12 slots, terminal width: 23.2 mm		gray				
<b>Equipotential bonder</b> , for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 20 slots, terminal width: 35.6 mm		gray				
<b>Equipotential bonder</b> , for mounting on NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors, 40 slots, terminal width: 66.6 mm		gray				

			Ordering data	
Type	Order No.	Pcs. / Pkt.		
<b>PVB 2</b>	<b>0870023</b>	10		
<b>PVB 3</b>	<b>0870036</b>	10		
<b>PVB 5</b>	<b>0870052</b>	10		
<b>PVB10</b>	<b>0870120</b>	5		

		Accessories			
<b>Cover and partition plate</b> , width 2.2 mm	gray	<b>D/TP-VBS</b>		<b>0851026</b>	50
<b>Insertion bridge</b> , insulated		<b>EB 2- 6</b>	24 A	<b>0201155</b>	100
	2	<b>EB 3- 6</b>	24 A	<b>0201142</b>	100
	3	<b>EB 10- 6</b>	24 A	<b>0201139</b>	10
	10	<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>	10
<b>Screwdriver</b>		<b>ZB 6 (see Catalog 5)</b>			
<b>Center groove marking</b>					

		Accessories	



UK universal terminal blocks with special connection

Feed-through terminal blocks with slip-on connection USK ...

**Notes:**  
 1) Current and voltage data for quick connect terminations according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.  
 For corresponding slip-on sleeves, see Catalog 5.



4 (4) mm<sup>2</sup>, 32 A, feed-through terminal block, with screw and slip-on connection



4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block, with slip-on connection



Technical data				
<b>Dimensions</b>	Width	Length	Height NS 35/7,5	
	6.2	42.5	45.5	
<b>Dimensions</b>	Width	Length	Height NS 32	
	6.2	42.5	50.5	
<b>Max. electrical data</b>	I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	32 <sup>1)</sup>	800 <sup>1)</sup>	0.2 - 4	28-12
<b>Rated data</b>	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	800 <sup>1)</sup>	600	600	-
Nominal current / cross section	32 <sup>1)</sup> / 4	20 / -	20 / -	-
Rated cross section	4	-	-	-
Cross section range	24 - 12	28-12	28-12	-
<b>Connection capacity</b>	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge	2.5	2.5	-	-
<b>General data</b>				
Stripping length	9			
Screw thread	M3			
Tightening torque	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			



Technical data				
<b>Dimensions</b>	Width	Length	Height NS 35/7,5	
	6.2	42.5	45.5	
<b>Dimensions</b>	Width	Length	Height NS 32	
	6.2	42.5	50.5	
<b>Max. electrical data</b>	I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	32 <sup>1)</sup>	800 <sup>1)</sup>	0.5 - 6	-
<b>Rated data</b>	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	800 <sup>1)</sup>	600	600	-
Nominal current / cross section	32 <sup>1)</sup> / 4	20 / -	20 / -	-
Rated cross section	4	-	-	-
Cross section range	20 - 10	-	-	-
<b>Connection capacity</b>	Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
<b>General data</b>				
Stripping length	9			
Screw thread	M3			
Tightening torque	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USK 4-FSR(4-2,8-0,8)		0270018	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
USK 4-FS/FS(8-2,8-0,8)	0271017	50

Accessories	No. of pos.	Color
Cover, width 1.3 mm		gray
Insertion bridge, insulated	2	gray
	3	gray
	10	gray
Screwdriver		
Center groove marking		

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-USK 4/10		0260028	50
EB 2- 6	24 A	0201155	100
EB 3- 6	24 A	0201142	100
EB 10- 6	24 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

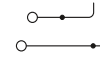
Accessories		
Type	Order No.	Pcs. / Pkt.
D-USK 4/10	0260028	50
ZB 6 (see Catalog 5)		

# Terminal blocks

## UK universal terminal blocks with special connection

### Double-level terminal blocks with screw/slip-on connection UKK ...

<b>Notes:</b>
<b>Important note:</b> The notched partition plate must be removed to bridge the terminal blocks.
For corresponding slip-on sleeves, see Catalog 5.
1) Current and voltage data for quick connect terminations according to EN 61210 are also dependent on nominal size, material, insulation of the coupling and conductor cross section.



4 (4) mm<sup>2</sup>, 20 A, double-level terminal block with screw and slip-on connection



<b>Dimensions</b>	
	[mm]
<b>Dimensions</b>	
	[mm]
<b>Max. electrical data</b>	
<b>Rated data</b>	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
Max. cross section with insertion bridge	[mm <sup>2</sup> ]
<b>General data</b>	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

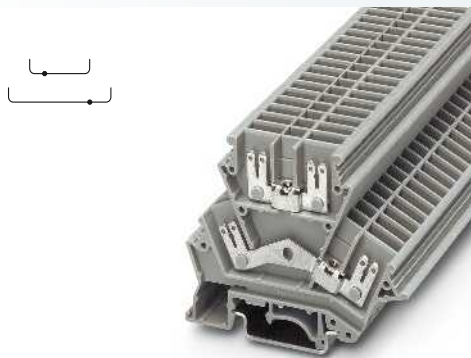
Technical data				
Width	Length	Height NS 35/7,5		
6.2	72	59		
Width	Length	Height NS 32		
6.2	72	64		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
20 <sup>1)</sup>	400 <sup>1)</sup>	0.2 - 4	30-10	
IEC	UL	CSA	IEC/EN 60079-7	
400 <sup>1)</sup>	300	-	-	
20 <sup>1)</sup> / 4	20 / -	-	-	
4	-	-	-	
24 - 12	30-10	-	-	
<b>Connection capacity</b>	Solid	Stranded	Ferrule	
			without/with plastic sleeve	
1 conductor	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	4	2.5	-	-
Stripping length	8			
Screw thread	M3			
Tightening torque	0.6 - 0.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

Description	No. of pos.	Color
<b>Double-level terminal block</b> , with disconnect knife, for mounting on NS 32... or NS 35..., with screw connection and slotted 6.3/2.8 mm slip-on blade connectors		gray
<b>Double-level terminal block</b> , with disconnect knife, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm slip-on blade connectors on both sides		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UKK 4-FS		2770561	50

<b>Cover</b> , width 1.5 mm		gray
<b>Fixed bridge</b> , insulated	10	silver
<b>Insertion bridge</b> , insulated	2	gray
	3	gray
	10	gray
<b>Isolator bridge bar</b> , can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
<b>Bridge bar isolator</b> , as distance piece for isolator bridge bar		gray
<b>Test socket</b>		silver
<b>Test socket</b> , insulated, can be used only with FBI and ISSBI		silver
<b>Screwdriver</b>		
<b>Lateral groove marking</b>		

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-UKK 4		2770558	50
FBI 10- 6	20 A	0203250	10
EB 2- 6	20 A	0201155	100
EB 3- 6	20 A	0201142	100
EB 10- 6	20 A	0201139	10
ISSBI 10- 6	20 A	0301505	10
IS-K 4		1302338	100
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			



4 (6) mm<sup>2</sup>, 20 A, double-level terminal block with slip-on connection

ERC 

#### Technical data

Width	Length	Height NS 35/7,5	
6.2	72	59	
Width	Length	Height NS 32	
6.2	72	64	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
20 <sup>1)</sup>	400 <sup>1)</sup>	0.5 - 6	-
IEC	UL	CSA	IEC/ EN 60079-7
400 <sup>1)</sup>	300	-	-
20 <sup>1)</sup> / 4	20 / -	-	-
4	-	-	-
20 - 10	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	-
-	-	-	-
-	-	-	-
-	-	-	-

-  
-  
-  
PA  
V0

#### Ordering data

Type	$I_{max}$	Order No.	Pcs. / Pkt.
UKK 4-FS/FS		2771133	50

#### Accessories

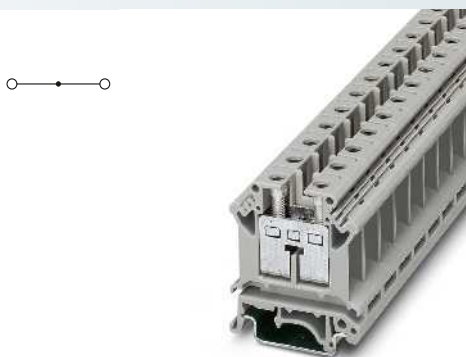
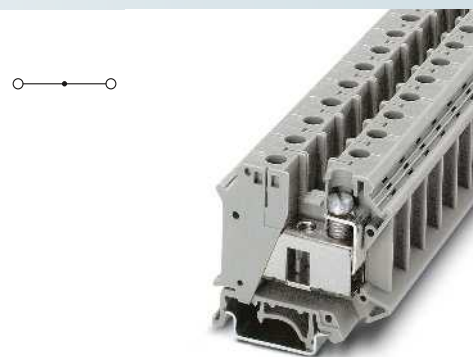
D-UKK 4		2770558	50
FBI 10-6	20 A	0203250	10
ISSBI 10-6	20 A	0301505	10
IS-K 4		1302338	100
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10

ZB 6 (see Catalog 5)



## UIK ... installation terminal blocks

- Installation terminal blocks with a particularly low shape for use in flat distributors
- The asymmetric arrangement of the terminal blocks on the DIN rail allows the PEN conductor busbar to be routed to the terminal blocks
- The standard feed-through terminal blocks UK 1,5 N to UK 16 N can be used in conjunction with the PEN conductor busbar

16 (25) mm<sup>2</sup>, 101 A, feed-through terminal block35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block

Technical data					
Width	Length	Height NS 35/7,5			
12.2	42.5	47			
Width	Length	Height NS 32			
12.2	42.5	52			
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)		
101	400	2.5 - 25	22-4		
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7		
Rated voltage	[V]	400	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	76 / 16	85 / -	85 / -	-
Rated cross section	[mm <sup>2</sup> ]	16	-	-	-
Cross section range	AWG	12 - 4	22-4	22-4	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
	1 conductor	[mm <sup>2</sup> ]	2.5 - 25	4 - 16	1.5 - 16    1.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	1.5 - 6	1.5 - 6	1.5 - 4	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.75 - 10
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	16	16	-	-
General data					
Stripping length	[mm]	11			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			



Technical data					
Width	Length	Height NS 35/7,5			
15.2	55	51			
Width	Length	Height NS 32			
15.2	55	56			
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)		
125	800	0.75 - 35	18-2		
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7		
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	125 / 35	115 / -	130 / -	-
Rated cross section	[mm <sup>2</sup> ]	35	-	-	-
Cross section range	AWG	18 - 2	18-2	18-2	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve		
	1 conductor	[mm <sup>2</sup> ]	0.75 - 35	0.75 - 35	0.75 - 35    0.75 - 35
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.75 - 10	0.75 - 10	0.75 - 10	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.75 - 6
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	35	35	-	-
General data					
Stripping length	[mm]	16			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data						
Description	No. of pos.	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	UIK 16		3006153	50
		blue	UIK 16 BU		3006205	50

Ordering data						
Description	No. of pos.	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	UIK 35		3006182	50
		blue	UIK 35 BU		3006302	50

Accessories						
Cover, width 1.8 mm		gray	D-UK 4/10		3003020	50
		blue	D-UK 4/10 BU		3003101	50
Fixed bridge, insulated		2 silver	FBI 10-12	101 A	0203454	10
		3 silver				
		10 silver				
Insertion bridge, can be separated, fully insulated		2 gray	EB 10-12	68 A	3006137	10
		3 gray				
		10 gray				
Switching jumper for 2 terminal blocks, complete, only mount with short link	1	silver	TS-K		1302215	50
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	ATP-UK		3003224	50
Partition plate, 1.5 mm wide		gray	PSB 4/7/6		0303299	10
Test socket, for test connection with test plug PS		silver	SZS 1,0X4,0 VDE		1205066	10
Screwdriver			ZB 12 (see Catalog 5)			

Accessories				
FBI 2-15	125 A	0201333	10	
FBI 3-15	125 A	0201278	10	
EB 2-15 K/UK 35	101 A	0205119	10	
EB 3-15 K/UK 35	101 A	0205106	10	
EB 10-15 K/UK 35	101 A	0205096	10	
SBH 2-15	120 A	0205232	1	
TS-K		1302215	50	
PSB 6/5/6		0205290	10	
SZS 1,0X4,0 VDE		1205066	10	
ZB 15 (see Catalog 5)				

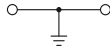
# Terminal blocks

## UIK installation terminal blocks

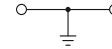
### Installation protective terminal blocks UISLKG ...

– The standard protective terminal blocks  
USLKG 1,5 N to USLKG 16 N can be  
used in conjunction with the PEN  
conductor busbar

**Notes:**  
Current carrying capacity of DIN rails, see page 608



16 (25) mm<sup>2</sup>, 101 A, protective terminal block



35 (35) mm<sup>2</sup>, 125 A, protective terminal block



Technical data				
Width	Length	Height NS 35/7,5		
12	42.5	47		
Width	Length	Height NS 32		
12	42.5	52		
I <sub>max</sub> [A]		Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
101		2.5 - 25	22-4	
IEC 60947-7-2				
IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	76 / 16	-	-
Rated cross section	[mm <sup>2</sup> ]	16	-	-
Cross section range	AWG	12 - 3	22-4	22-4
<b>Connection capacity</b>				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	2.5 - 25	2.5 - 16	1.5 - 16    1.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	1.5 - 6	1.5 - 4	1.5 - 6    -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.75 - 10
<b>General data</b>				
Stripping length	[mm]	11		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V2		



Technical data				
Width	Length	Height NS 35/7,5		
15	55	51		
Width	Length	Height NS 32		
15	55	56		
I <sub>max</sub> [A]		Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
125		0.75 - 35	18-2	
IEC 60947-7-2				
IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	125 / 35	-	-
Rated cross section	[mm <sup>2</sup> ]	35	-	-
Cross section range	AWG	18 - 2	18-2	-
<b>Connection capacity</b>				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.75 - 35	0.75 - 35	0.75 - 35    0.75 - 35
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.75 - 16	0.75 - 10	0.75 - 10    -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.75 - 6
<b>General data</b>				
Stripping length	[mm]	16		
Screw thread		M6		
Tightening torque	[Nm]	3.2 - 3.7		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UISLKG 16	0443052	50	
UISLKG 16-1	3001789	50	

Accessories			
SZS 1,0X6,5 VDE	1205079	10	
ZB 12 (see Catalog 5)			

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UISLKG 35	0443065	50	
UISLKG 35-1	3001776	50	

Accessories			
SZS 1,0X6,5 VDE	1205079	10	
ZB 15 (see Catalog 5)			

Description	No. of pos.	Color
Protective terminal block, for mounting on NS 32... or NS 35...		green-yellow
Protective terminal block, for mounting on NS 35/15-2,3		green-yellow

Screwdriver
Lateral groove marking

## Neutral disconnect terminal blocks UKN ...

- With screw disconnect slide
- Same shape as feed-through, ground conductor and installation terminal blocks

### Notes:

#### Assembly instructions:

For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



2.5 (4) mm<sup>2</sup>, 32 A, neutral disconnect terminal block



4 (6) mm<sup>2</sup>, 36 A, neutral disconnect terminal block

ERC

### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	6.2	43.5	42	
Dimensions	Width	Length	Height NS 32	
	6.2	43.5	47	
Max. electrical data	I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	32	400	0.2 - 4	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	-	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-
Cross section range	AWG	24 - 12	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 1.5
General data				
Stripping length	[mm]	7		
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6		
Insulating material	PA			
Inflammability class according to UL 94	V2			

### Ordering data

Description	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	UKN 2,5 BU		3032004	50

### Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm <sup>2</sup> , 10 mm wide	blue	AKG 16 BU		0423014	50
Up to 35 mm <sup>2</sup> Solid, 14.3 mm wide	blue	AKG 35 BU		0424013	50
Cover, width 1.5 mm	blue	D-UKN 2,5		3032017	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	NLS-CU 3/10 SN 1000MM	140 A	0402174	10
Cover profile, for neutral busbar, 1 m long	transparent	AP-NLS		5037133	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	UAB		3032428	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	AB/NS		1201141	10
Screwdriver		SF-SL 0,6X3,5-100 S-VDE		1212587	10
Lateral groove marking		ZB 6 (see Catalog 5)			

ERC

### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	6.2	43.5	47	
Dimensions	Width	Length	Height NS 32	
	6.2	43.5	52	
Max. electrical data	I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	36	400	0.2 - 6	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	-	-
Rated cross section	[mm <sup>2</sup> ]	4	-	-
Cross section range	AWG	24 - 10	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 2.5
General data				
Stripping length	[mm]	7		
Terminal point: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Disconnect slide: thread / torque	- / [Nm]	M2,5 / 0.5 - 0.6		
Insulating material	PA			
Inflammability class according to UL 94	V2			

### Ordering data

Description	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	UKN 5 BU		3032088	50

### Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm <sup>2</sup> , 10 mm wide	blue	AKG 16 BU		0423014	50
Up to 35 mm <sup>2</sup> Solid, 14.3 mm wide	blue	AKG 35 BU		0424013	50
Cover, width 1.5 mm	blue	D-UK 4/10 BU		3003101	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	NLS-CU 3/10 SN 1000MM	140 A	0402174	10
Cover profile, for neutral busbar, 1 m long	transparent	AP-NLS		5037133	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	UAB		3032428	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	AB/NS		1201141	10
Screwdriver		SF-SL 0,6X3,5-100 S-VDE		1212587	10
Lateral groove marking		ZB 6 (see Catalog 5)			

# Terminal blocks

## UIK installation terminal blocks

### Neutral disconnect terminal blocks UKN ...

- With screw disconnect slide
- Same shape as feed-through, ground conductor, and installation terminal blocks

**Notes:**  
**Assembly instructions:**  
For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



6 (10) mm<sup>2</sup>, 50 A, neutral disconnect terminal block



10 (16) mm<sup>2</sup>, 63 A, neutral disconnect terminal block

ERC

#### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	8.2	43.5	47	
Dimensions	Width	Length	Height NS 32	
	8.2	43.5	52	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	50	400	0.2 - 10	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Rated voltage	400	-	-	-
Nominal current / cross section	41 / 6	-	-	-
Rated cross section	6	-	-	-
Cross section range	24 - 8	-	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 4
General data	Stripping length	Terminal point: thread / torque	Disconnect slide: thread / torque	
	10	M4 / 1.5 - 1.8	M3 / 0.6 - 0.8	
Insulating material	PA	V0		
Inflammability class according to UL 94	V0			

#### Ordering data

Description	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	UKN 6 N BU		3024041	50

#### Accessories

Accessories	Type	$I_{max}$	Order No.	Pcs. / Pkt.
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm <sup>2</sup> , 10 mm wide	AKG 16 BU		0423014	50
Up to 35 mm <sup>2</sup> Solid, 14.3 mm wide	AKG 35 BU		0424013	50
Cover, width 1.8 mm	D-UK 4/10 BU		3003101	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	NLS-CU 3/10 SN 1000MM	140 A	0402174	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	UAB		3032428	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	AB/NS		1201141	10
Screwdriver	SF-SL 0,6X3,5-100 S-VDE		1212587	10
Lateral groove marking	ZB 8 (see Catalog 5)			

ERC

#### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	8.2	43.5	47.3	
Dimensions	Width	Length	Height NS 32	
	8.2	43.5	52.3	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	63	400	0.5 - 16	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Rated voltage	400	-	-	-
Nominal current / cross section	57 / 10	-	-	-
Rated cross section	10	-	-	-
Cross section range	20 - 6	-	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 6
General data	Stripping length	Terminal point: thread / torque	Disconnect slide: thread / torque	
	12	M4 / 1.5 - 1.8	M3 / 0.6 - 0.8	
Insulating material	PA	V0		
Inflammability class according to UL 94	V0			

#### Ordering data

Description	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	UKN 10 N BU		3003910	50

#### Accessories

Accessories	Type	$I_{max}$	Order No.	Pcs. / Pkt.
Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm <sup>2</sup> , 10 mm wide	AKG 16 BU		0423014	50
Up to 35 mm <sup>2</sup> Solid, 14.3 mm wide	AKG 35 BU		0424013	50
Cover, width 1.8 mm	D-UK 4/10 BU		3003101	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	NLS-CU 3/10 SN 1000MM	140 A	0402174	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	UAB		3032428	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	AB/NS		1201141	10
Screwdriver	SF-SL 0,6X3,5-100 S-VDE		1212587	10
Lateral groove marking	ZB 10 (see Catalog 5)			



## Neutral disconnect terminal blocks UIKN ...

- With screw disconnect slide
- Same shape as feed-through, ground conductor, and installation terminal blocks

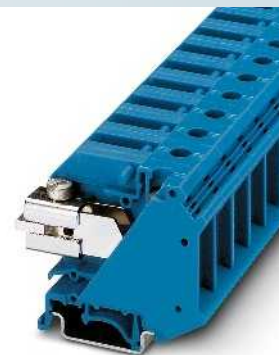
### Notes:

#### Assembly instructions:

For secure fastening of the neutral busbar, supports must be set at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips.



16 (25) mm<sup>2</sup>, 90 A, neutral disconnect terminal block



35 (35) mm<sup>2</sup>, 110 A, neutral disconnect terminal block

EAC

### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	12	43.5	47	
Dimensions	Width	Length	Height NS 32	
	12	43.5	52	
Max. electrical data	I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	90	400	2.5 - 25	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	76 / 16	-	-
Rated cross section	[mm <sup>2</sup> ]	16	-	-
Cross section range	AWG	12 - 4	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	2.5 - 25	4 - 16	1.5 - 16 1.5 - 16
2 conductors (of the same type)	[mm <sup>2</sup> ]	1.5 - 6	1.5 - 4	1.5 - 6 -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- 0.75 - 10
General data				
Stripping length	[mm]	11		
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8		
Disconnect slide: thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Insulating material	PA			
Inflammability class according to UL 94	V2			

### Ordering data

Description	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	UIKN 16 BU		3006166	50

### Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm <sup>2</sup> , 10 mm wide	blue	AKG 16 BU		0423014	50
Up to 35 mm <sup>2</sup> Solid, 14.3 mm wide	blue	AKG 35 BU		0424013	50
Cover, width 1.8 mm	blue	D-UK 4/10 BU		3003101	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	NLS-CU 3/10 SN 1000MM	140 A	0402174	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	UAB		3032428	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	AB/NS		1201141	10
Screwdriver		SZS 1,0X4,0 VDE		1205066	10
Lateral groove marking		ZB 10 (see Catalog 5)			

EAC

### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	15	55	51	
Dimensions	Width	Length	Height NS 32	
	15	55	56	
Max. electrical data	I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	110	400	0.75 - 35	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	110 / 35	-	-
Rated cross section	[mm <sup>2</sup> ]	35	-	-
Cross section range	AWG	18 - 2	-	-
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.75 - 35	0.75 - 35	0.75 - 35 0.75 - 35
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.75 - 10	0.75 - 10	0.75 - 10 -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- 0.75 - 6
General data				
Stripping length	[mm]	16		
Terminal point: thread / torque	- / [Nm]	M6 / 3.2 - 3.7		
Disconnect slide: thread / torque	- / [Nm]	M5 / 2.5 - 3		
Insulating material	PA			
Inflammability class according to UL 94	V2			

### Ordering data

Description	Color	Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
Neutral disconnect terminal block, with universal foot for mounting on NS 32... or NS 35...	blue	UIKN 35 BU		3034015	50

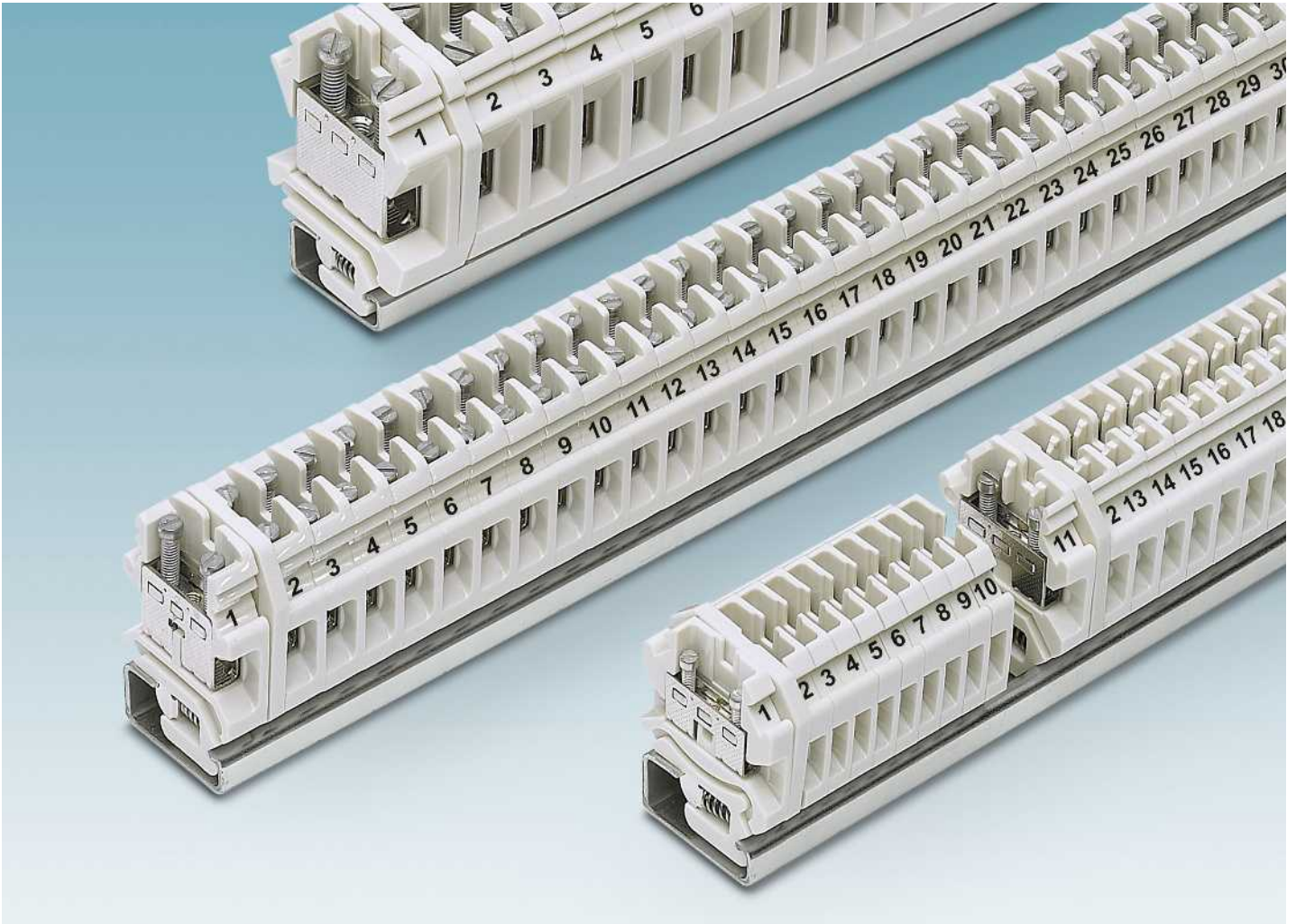
### Accessories

Connection terminal block, steel, is pushed onto the NLS neutral busbar, can be labeled using ZB, with insulating cap, Solid up to 16 mm <sup>2</sup> , 10 mm wide	blue	AKG 16 BU		0423014	50
Up to 35 mm <sup>2</sup> Solid, 14.3 mm wide	blue	AKG 35 BU		0424013	50
Cover, width 1.8 mm	blue	D-UK 4/10 BU		3003101	50
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver	NLS-CU 3/10 SN 1000MM	140 A	0402174	10
Support bracket, blue insulating material, for holding the neutral busbar, must be set every 20 cm, 2 mm wide	blue	UAB		3032428	50
Support bracket, for fixing DIN rails 21 mm above the mounting surface, with M6 screw, countersunk fixing hole 6.1 mm Ø, can also be used for protective insulation of terminal strips	gray	AB/NS		1201141	10
Screwdriver		SZS 1,0X4,0 VDE		1205066	10
Lateral groove marking		ZB 10 (see Catalog 5)			

## Terminal blocks

### SSK high-temperature terminal blocks

#### Ceramic terminal blocks SSK



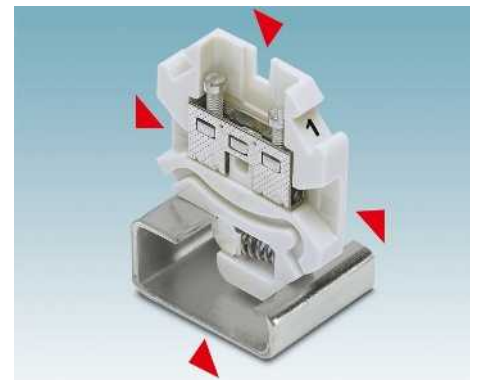
#### Safe in all applications

The SSK terminal blocks with ceramic isolation approved as standard for areas at risk of explosion are recommended for use anywhere with tough operating conditions, especially in terms of temperature and chemical aggressiveness.



#### For high-temperature applications

One of the key features of the ceramic terminal blocks is that they can be used continuously at high temperatures of up to 220°C. They are recommended for sites with high thermal requirements and extreme changes in temperature.



#### Compact design

Given the space-saving design, SSK ceramic terminal blocks are ideally suited to control systems in tight spaces.

### Ceramic feed-through terminal blocks SSK ...

- Compact design
- Mounting on G DIN rail NS 32
- Secure snapping into place using snap lock in terminal block foot
- Simple potential distribution thanks to chain bridging

**Notes:**

1) For information on installation and using accessories for Ex applications, see page 602.



2.5 (4) mm<sup>2</sup>, 32 A, feed-through terminal block



Ex:

KEMA 03ATEX2382U / IECEx KEM 06.0045U

Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm <sup>2</sup> ]
Rated cross section		[mm <sup>2</sup> ]
Cross section range		AWG
Connection capacity screw connection		
1 conductor		[mm <sup>2</sup> ]
2 conductors (of the same type)		[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule		[mm <sup>2</sup> ]
General data		
Stripping length		[mm]
Screw thread		
Tightening torque		[Nm]
Insulating material		

Technical data				
Width	Length	Height NS 32		
6.2	38	48		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
32	690	0.2 - 4	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
690	-	600	440	
24 / 2.5	-	20 / -	32 / 4	
2.5	-	-	0.2-4	
24 - 12	-	22-12	24 - 12	
Solid		Stranded		Ferrule
				without/with plastic sleeve
0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 1.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1.5	
9				
M3				
0.6 - 0.8				
Keramik				

Description	No. of pos.	Color
Terminal block, for mounting on NS 32...		white
Cover, width 4.2 mm		white
Chain bridge, with screw		
	1	silver
End clamp, for DIN rail NS 32		silver
Screwdriver		
Lateral groove marking		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SSK 0525 KER-EX		0501059	50

Accessories <sup>1)</sup>			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-SSK 0525 KER		0201061	50
KB- 6	34 A	0201472	100
E/1		1201044	100
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 5)			

# Terminal blocks

## SSK high-temperature terminal blocks

### Ceramic feed-through terminal blocks SSK ...

- Compact design
- Mounting on G DIN rail NS 32
- Secure snapping into place using snap lock in terminal block foot
- Simple potential distribution thanks to chain bridging

**Notes:**  
 1) For information on installation and using accessories for Ex applications, see page 602.



6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block



KEMA 03ATEX2382U / IECEx KEM 06.0045U

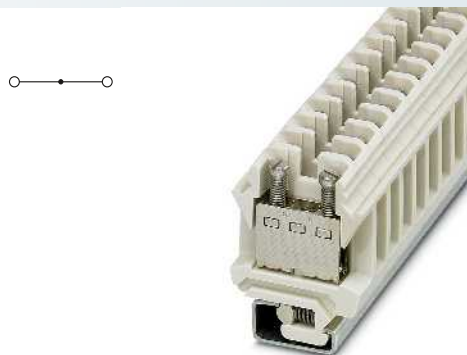
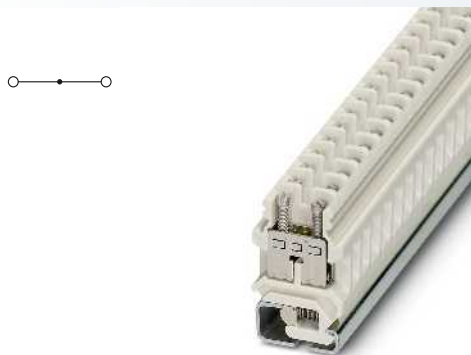
Dimensions		
		[mm]
Max. electrical data		
<b>Rated data</b>		
Rated voltage	[V]	800
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6
Rated cross section	[mm <sup>2</sup> ]	6
Cross section range	AWG	20 - 8
Connection capacity screw connection		
1 conductor	[mm <sup>2</sup> ]	0.5 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
General data		
Stripping length	[mm]	10
Screw thread		M4
Tightening torque	[Nm]	1.5 - 1.8
Insulating material		Keramik

Technical data			
Width	Length	Height NS 32	
8.4	38	51	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	800	0.5 - 10	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage			440
Nominal current / cross section		55 / -	40 / 6
Rated cross section		-	0.5-6
Cross section range		26-8	20 - 8
Solid		Stranded	Ferrule
			without/with plastic sleeve
1 conductor	0.5 - 10	0.5 - 6	0.5 - 6    0.5 - 4
2 conductors (of the same type)	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5    -
2 stranded conductors with a TWIN ferrule	-	-	-    0.5 - 2.5

Description	No. of pos.	Color
<b>Terminal block</b> , for mounting on NS 32...		white
<b>Cover</b> , width 4.2 mm		white
<b>Chain bridge</b> , with screw	1	silver
<b>End clamp</b> , for DIN rail NS 32		silver
<b>Screwdriver</b>		
<b>Lateral groove marking</b>		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>SSK 110 KER-EX</b>		<b>0502058</b>	50

Accessories <sup>1)</sup>			
<b>D-SSK 110 KER</b>		<b>0202060</b>	50
<b>KB- 8</b>	43 A	<b>0202206</b>	100
<b>E/1</b>		<b>1201044</b>	100
<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>	10
<b>ZB 8</b> (see Catalog 5)			

10 (16) mm<sup>2</sup>, 76 A, feed-through terminal block35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block

KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data			
Width	Length	Height NS 32	
10.4	38	55	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
76	630	0.5 - 16	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
630	-	600	440
57 / 10	-	80 / -	57 / 10
10	-	-	0.5-10
20 - 6	-	24-6	20 - 6
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 6
11			
M4			
1.5 - 1.8			
Keramik			

Technical data			
Width	Length	Height NS 32	
15.3	53	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	800	1 - 35	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	-	-	690
125 / 35	-	-	101 / 25
35	-	-	1.0-25
18 - 2	-	-	18 - 2
Solid	Stranded	Ferrule without/with plastic sleeve	
1 - 35	1 - 25	0.75 - 25	0.75 - 16
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 10
16			
M6			
3.2 - 3.7			
Keramik			



KEMA 03ATEX2382U / IECEx KEM 06.0045U

Technical data			
Width	Length	Height NS 32	
15.3	53	67	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	800	1 - 35	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	-	-	690
125 / 35	-	-	101 / 25
35	-	-	1.0-25
18 - 2	-	-	18 - 2
Solid	Stranded	Ferrule without/with plastic sleeve	
1 - 35	1 - 25	0.75 - 25	0.75 - 16
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 10
16			
M6			
3.2 - 3.7			
Keramik			

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SSK 116 KER-EX		0503057	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
SSK 135 KER-EX		0505055	10

Accessories <sup>1)</sup>			
D-SSK 116 KER		0203069	50
KB- 10	57 A	0203205	100
E/1		1201044	100
SZS 1,0X4,0 VDE		1205066	10

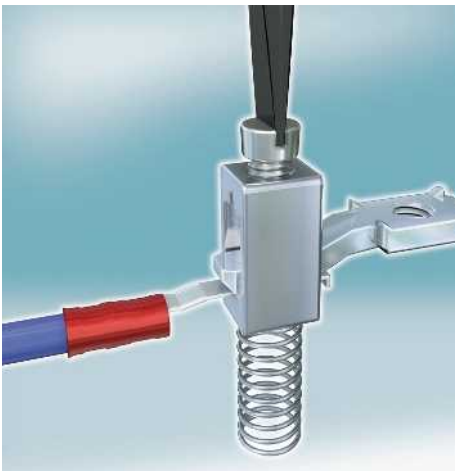
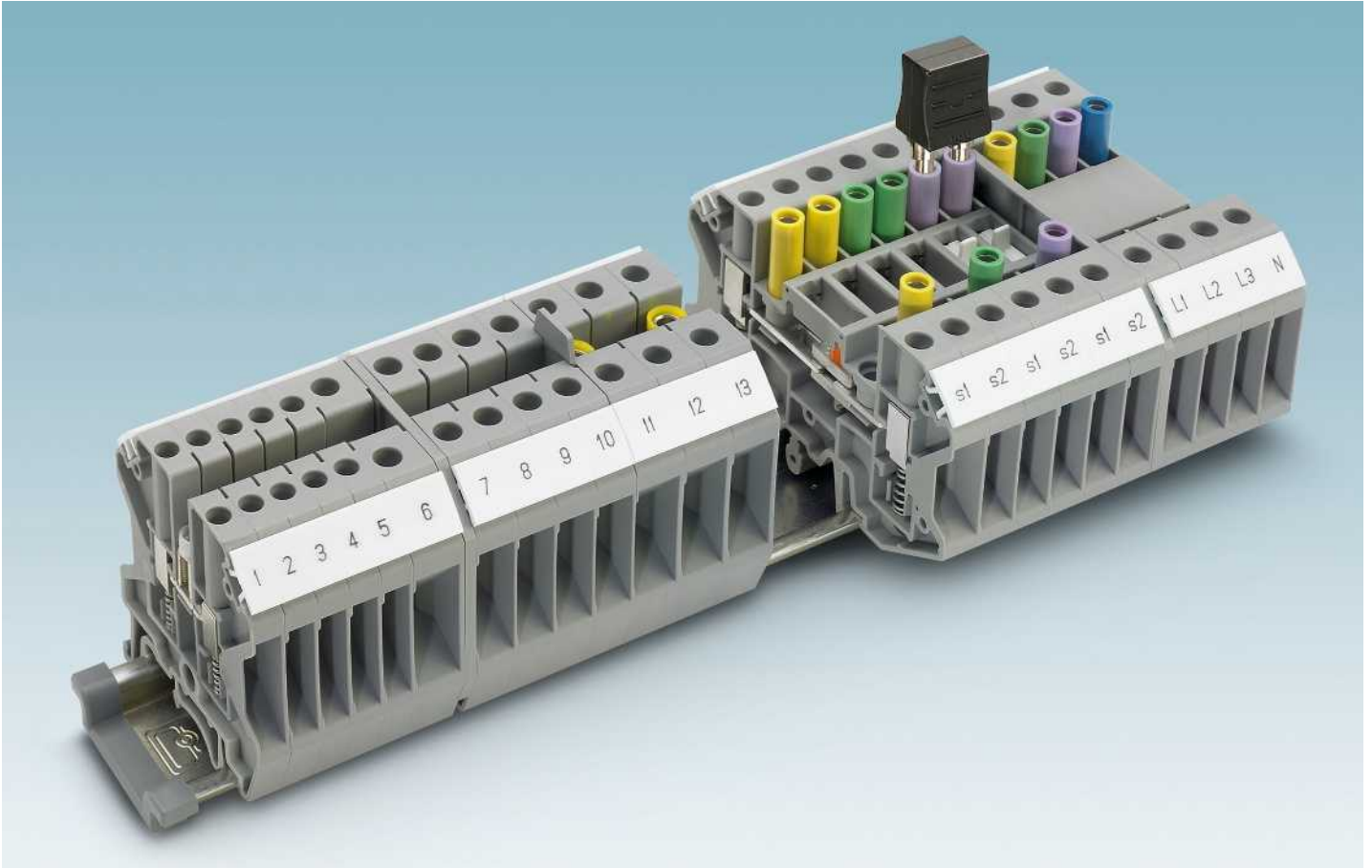
Accessories <sup>1)</sup>			
D-SSK 135 KER		0205067	50
KBI- 15	108 A	0205203	10
E/1		1201044	100
SZS 1,0X4,0 VDE		1205066	10

ZB 10 (see Catalog 5)			
ZB 15 (see Catalog 5)			

## Terminal blocks

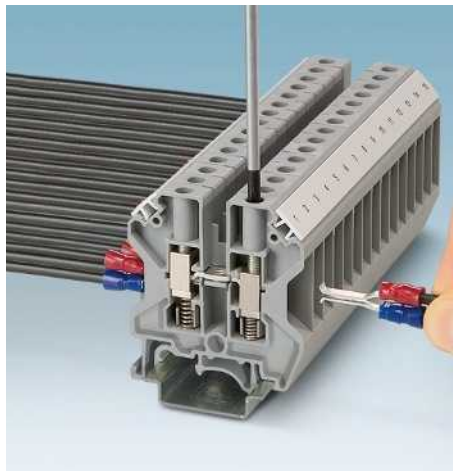
### USST spring-assisted screw terminal blocks

#### USST ... spring-assisted screw terminal blocks



#### Spring-assisted screw connection

The opened terminal block body is pressed down to make contact with the conductor. Tightening the terminal screw produces the perfect electric connection.



#### Hooked cable lug

This cable lug is shaped like a hook, allowing it to lock in the spring in the terminal block body for a secure connection.



#### Test accessories

The familiar test, switching, and bridging accessories from Phoenix Contact are used in the USST terminal blocks.

### Spring-assisted feed-through terminal block USST 4

- The USST... terminal blocks were developed especially for use in the energy supply sector
- When combined with hook-type cable lugs, the spring-assisted screw terminal blocks optimally meet the technical requirements of ENATS 50-18
- Universal foot for mounting on NS 32 and or NS 35 DIN rails
- The bridge bar isolator switching jumpers ISSBI ... enable switchable cross connections with IS-K ... . The screw functions as a current-carrying switching element
- Large marking option of every terminal point

### Space-saving conductor connection

The flat-ribbon cable lugs with C-BCI ... SO hooks enable vertical crimping (see figure below), which means that conductors in the nominal cross-section can be wired without loss of pitch in a way that saves space. Further information about flat-ribbon cable lugs with hooks can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products).

#### Notes:

Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 5 or at [phoenixcontact.net/products](http://phoenixcontact.net/products)



4 (6) mm<sup>2</sup>, 41 A, feed-through terminal block



Dimensions		Width		Length		Height NS 35/7,5			
[mm]		6.2	52	57.3					
Dimensions		Width		Length		Height NS 32			
[mm]		6.2	52	62.3					
Max. electrical data		$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)				
		41	500	0.2 - 6	24-10				
Rated data		IEC 60947-7-1		UL		CSA		IEC/EN 60079-7	
Rated voltage		[V]	500	600	-	-			
Nominal current / cross section		[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	-	-			
Rated cross section		[mm <sup>2</sup> ]	4	-	-	-			
Cross section range		AWG	24 - 10	24-10	-	-			
Connection capacity		Solid		Stranded		Ferrule			
1 conductor		[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4	without/with plastic sleeve		0.25 - 2.5	
2 conductors (of the same type)		[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-		-	
2 stranded conductors with a TWIN ferrule		[mm <sup>2</sup> ]	-	-	-	-		0.5 - 2.5	
General data		Stripping length		[mm]		10			
Screw thread		[mm]		M3					
Tightening torque		[Nm]		0.6 - 0.8					
Insulating material		PA							
Inflammability class according to UL 94		V0							

Technical data							
Width	Length	Height NS 35/7,5					
6.2	52	57.3					
Width	Length	Height NS 32					
6.2	52	62.3					
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)				
41	500	0.2 - 6	24-10				
IEC 60947-7-1		UL		CSA			
IEC		UL		CSA			
Rated voltage		[V]	500	600	-		
Nominal current / cross section		[A] / [mm <sup>2</sup> ]	32 / 4	30 / -	-		
Rated cross section		[mm <sup>2</sup> ]	4	-	-		
Cross section range		AWG	24 - 10	24-10	-		
Connection capacity		Solid		Stranded		Ferrule	
1 conductor		[mm <sup>2</sup> ]	0.2 - 6	0.2 - 4	0.25 - 4	without/with plastic sleeve	
2 conductors (of the same type)		[mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
2 stranded conductors with a TWIN ferrule		[mm <sup>2</sup> ]	-	-	-	0.5 - 2.5	
General data		Stripping length		[mm]		10	
Screw thread		[mm]		M3			
Tightening torque		[Nm]		0.6 - 0.8			
Insulating material		PA					
Inflammability class according to UL 94		V0					

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray

Cover, width 2.2 mm		gray
Partition plate, 2 mm wide		gray
Fixed bridge, insulated	10	silver
Isolator bridge bar, can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Test socket		silver
Test socket, insulated, can be used only with FBI and ISSBI		silver
Screwdriver		
Lateral groove marking		

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
USST 4		3070338	50

Accessories			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
D-USST 4/10		3070370	50
TPNS-UK		0706647	50
FBI 10- 6	38 A	0203250	10
ISSBI 10- 6	30 A	0301505	10
IS-K 4		1302338	100
TS-USST 4/10		3070383	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)			



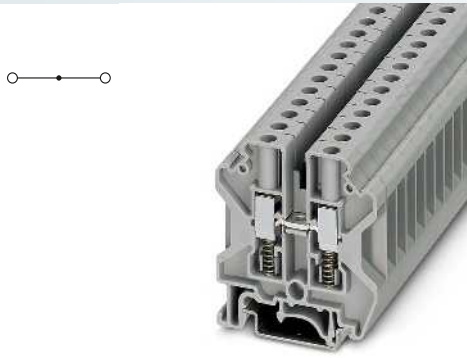
# Terminal blocks

## USST spring-assisted screw terminal blocks

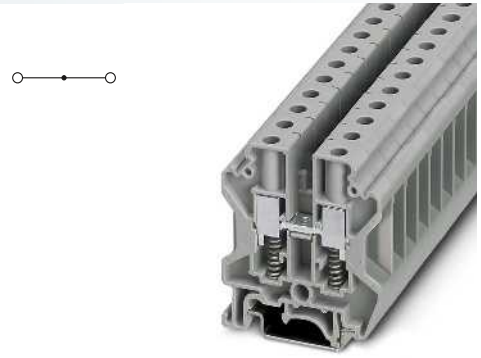
### Spring-assisted feed-through terminal block USST 6 and USST 10

– Terminal blocks USST 4 to USST 10 are of the same shape

**Notes:**  
For other test sockets, see page 505.



6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block



10 (16) mm<sup>2</sup>, 76 A, feed-through terminal block



Technical data				
Width	Length	Height NS 35/7,5		
8.2	52	57.3		
Width	Length	Height NS 32		
8.2	52	62.3		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	500	0.2 - 10	24-10	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	30 / -	-
Rated cross section	[mm <sup>2</sup> ]	6	-	-
Cross section range	AWG	24 - 8	24-10	-
<b>Connection capacity</b>				
		Solid	Stranded	Ferrule without/with plastic sleeve
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / 0.5 - 4
<b>General data</b>				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		



Technical data				
Width	Length	Height NS 35/7,5		
10.2	52	57.3		
Width	Length	Height NS 32		
10.2	52	62.3		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
76	500	0.5 - 16	20-6	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	500	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	57 / 10	65 / -	-
Rated cross section	[mm <sup>2</sup> ]	10	-	-
Cross section range	AWG	20 - 6	20-6	-
<b>Connection capacity</b>				
		Solid	Stranded	Ferrule without/with plastic sleeve
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	-	0.5 - 6
<b>General data</b>				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data			
Description	No. of pos.	Color	
Terminal block, for mounting on NS 32... or NS 35...		gray	
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USST 6		3070341	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USST 10		3070354	50

Accessories			
D-USST 4/10		3070370	50
TPNS-UK		0706647	50
FBI 10- 8	52 A	0203263	10
ISSBI 10- 8	38 A	0301534	10
IS-K 10		1303337	100
TS-USST 4/10		3070383	50
PSB 4/7/6		0303299	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SZS 1,0X4,0 VDE		1205066	10

Accessories			
D-USST 4/10		3070370	50
TPNS-UK		0706647	50
FBI 10-10	70 A	0203276	10
ISSBI 10-10	41 A	0301521	10
IS-K 10		1303337	100
TS-USST 4/10		3070383	50
PSB 4/7/6		0303299	10
PSBJ 4/15/6 FARBLOS		0303419	10
PSBJ 4/15/6 BU		0303354	10
PSBJ 4/15/6 YE		0303367	10
PSBJ 4/15/6 GN		0303370	10
PSBJ 4/15/6 VT		0303383	10
PSBJ 4/15/6 RD		0303325	10
KSS 10		0310541	10
KSS 4-10		0308540	10
SZS 1,0X4,0 VDE		1205066	10

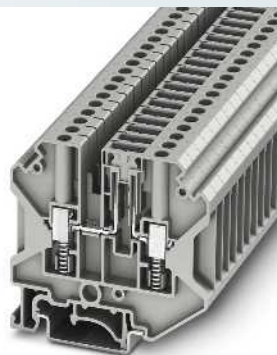
Lateral groove marking	
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)	

Lateral groove marking	
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 5)	

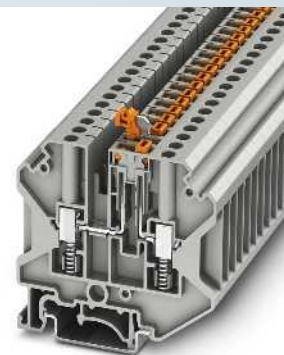


### Spring-assisted disconnect and knife disconnect terminal blocks

- Standardized disconnect zone
- Various function plugs are available for use in the disconnect terminal blocks
- For corresponding function plugs, see page 350



4 (6) mm<sup>2</sup>, 20 A, disconnect terminal block, 2 connections



4 (6) mm<sup>2</sup>, 20 A, knife disconnect terminal block, 2 connections

<b>Notes:</b>
1) U <sub>max.</sub> 300 V.
Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 5 or at phoenixcontact.net/products

ERC

Technical data				
<b>Dimensions</b>	Width	Length	Height NS 35/7,5	
	6.2	63.4	57.3	
<b>Dimensions</b>	Width	Length	Height NS 32	
	6.2	63.4	62.3	
<b>Max. electrical data</b>	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	500	0.2 - 6	-
<b>Rated data</b>	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Rated voltage	500	-	-	-
Nominal current / cross section	20 / 4	-	-	-
Rated cross section	4	-	-	-
Cross section range	24 - 10	-	-	-
<b>Connection capacity</b>	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 2.5
<b>General data</b>	Stripping length	[mm]		
	10			
	Screw thread	[mm]		
	M3			
	Tightening torque	[Nm]		
	0.6 - 0.8			
	Insulating material	PA		
	Inflammability class according to UL 94	V0		

ERC

Technical data				
<b>Dimensions</b>	Width	Length	Height NS 35/7,5	
	6.2	63.4	57.3	
<b>Dimensions</b>	Width	Length	Height NS 32	
	6.2	63.4	62.3	
<b>Max. electrical data</b>	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	20	500	0.2 - 6	-
<b>Rated data</b>	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Rated voltage	500	-	-	-
Nominal current / cross section	20 / 4	-	-	-
Rated cross section	4	-	-	-
Cross section range	24 - 10	-	-	-
<b>Connection capacity</b>	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 2.5
<b>General data</b>	Stripping length	[mm]		
	10			
	Screw thread	[mm]		
	M3			
	Tightening torque	[Nm]		
	0.6 - 0.8			
	Insulating material	PA		
	Inflammability class according to UL 94	V0		

Description	No. of pos.	Color
<b>Terminal block</b> , for mounting on NS 35... (With test socket screws!)		gray gray

Ordering data			
Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
USST 4-TG		3070301	50
USST 4-TG P/P		3070303	50

Ordering data			
Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
USST 4-MT		3070300	50
USST 4-MT P/P		3070302	50

Accessories	No. of pos.	Color
<b>Cover</b> , width 2.2 mm		gray
<b>Partition plate</b> , 2 mm wide		gray
<b>Fixed bridge</b> , insulated	10	silver
<b>Isolator bridge bar</b> , can be separated, with 10 screws, for switchable branches with IS-K...	10	silver
<b>Bridge bar isolator</b> , as distance piece for isolator bridge bar		gray
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
<b>Test socket</b>		silver
<b>Test socket</b> , insulated, can be used only with FBI and ISSBI		silver
<b>Screwdriver</b>		
<b>Screwdriver</b> , for disconnect slide and test socket		

Accessories			
Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
D-USST 4-MT		3070304	50
TPNS-UK		0706647	50
FBI 10- 6	38 A	0203250	10
ISSBI 10- 6	30 A	0301505	10
IS-K 4		1302338	100
TS-USST 4/10		3070383	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SZG 0,6X3,5 VDE		1205121	10

Accessories			
Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
D-USST 4-MT		3070304	50
TPNS-UK		0706647	50
FBI 10- 6	38 A	0203250	10
ISSBI 10- 6	30 A	0301505	10
IS-K 4		1302338	100
TS-USST 4/10		3070383	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SZG 0,6X3,5 VDE		1205121	10

<b>Lateral groove marking</b>
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UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
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UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 5)
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# Terminal blocks

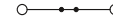
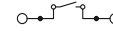
## USST spring-assisted screw terminal blocks

### Spring-assisted test disconnect and feed-through terminal blocks

- The USST 6-T test disconnect terminal block has been developed specifically for use in current transformer secondary circuits
- Can be fitted on both sides with fixed bridges as well as test sockets with a 4 mm diameter
- Terminal block and accessories were designed to be touch-proof as per BGV A2.

CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.

Notes:
For more test sockets, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>
For more short-circuit plugs, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>



6 (10) mm<sup>2</sup>, 57 A, test disconnect terminal block



Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity	
1 conductor	[mm <sup>2</sup> ]
2 conductors (of the same type)	[mm <sup>2</sup> ]
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]
General data	
Stripping length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Inflammability class according to UL 94	

Technical data					
Width	Length	Height NS 35/7,5			
8.2	82	52			
Width	Length	Height NS 32			
8.2	82	57			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)		
57	500	0.2 - 10	24-10		
IEC 60947-7-1					
IEC	UL	CSA	IEC/EN 60079-7		
Rated voltage	500	600	-	-	
Nominal current / cross section	41 / 6	30 / -	-	-	
Rated cross section	6	-	-	-	
Cross section range	24 - 8	24-10	-	-	
Connection capacity		Solid	Stranded	Ferrule	
				without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 6	0.25 - 6    0.25 - 6	
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5    -	
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-    0.5 - 4	
General data		12			
Stripping length	[mm]	M4			
Screw thread		1.5 - 1.8			
Tightening torque	[Nm]	PA			
Insulating material		V0			
Inflammability class according to UL 94					

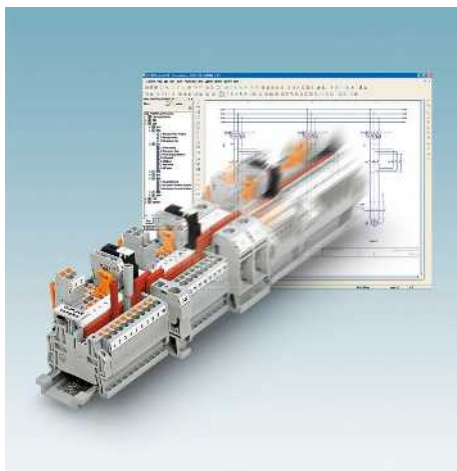
Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray

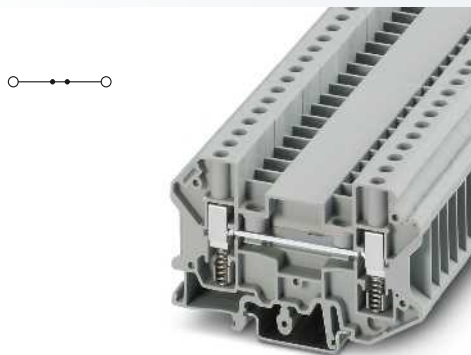
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USST 6-T		3070312	50

Cover, width 2.2 mm		gray
Fixed bridge, insulated		
	10	silver
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Test socket, insulated		transparent
		blue
		yellow
		green
		violet
		black
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., I <sub>max</sub> 20 A		black
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch		black
Screwdriver		
Screwdriver, for disconnect slide and test socket		

Accessories			
D-USST 6-T	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-USST 6-T		3070367	50
FBRI 10-8 N	45 A	2772080	10
S-URTK/SP		0311155	50
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
KSS 8		0311540	10
KSS 4-8		0309549	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

Lateral groove marking	UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)
------------------------	---





6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block,  
same shape



#### Technical data

Width	Length	Height NS 35/7,5	
8.2	82	52	
Width	Length	Height NS 32	
8.2	82	57	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	500	0.2 - 10	24-10
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
500	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	24-10	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 4

12  
M4  
1.5 - 1.8  
PA  
V0

#### Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
USSTD 6		3070325	50

#### Accessories

D-USST 6-T		3070367	50
FBRI 10-8 N	45 A	2772080	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
KSS 8		0311540	10
KSS 4-8		0309549	10
SZS 1,0X4,0 VDE		1205066	10

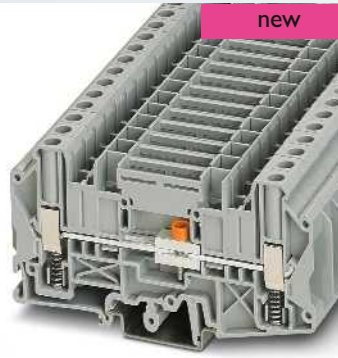
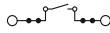
UC-TM 8, UCT-TM 8 or ZB 8  
(see Catalog 5)

# Terminal blocks

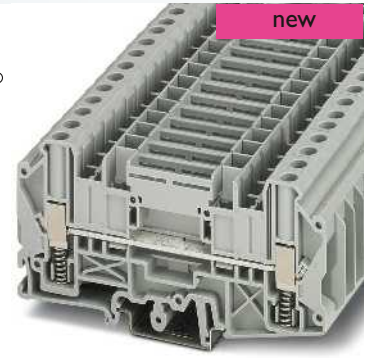
## USST spring-assisted screw terminal blocks

### Spring-assisted test disconnect and feed-through terminal blocks

**Notes:**  
 1) For additional test sockets, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



**6 (10) mm<sup>2</sup>, 50 A, test disconnect terminal block**



**6 (10) mm<sup>2</sup>, 50 A, feed-through terminal block, same shape**



Technical data				
Width	Length	Height NS 35/7,5		
<b>8.2</b>	<b>105.2</b>	<b>53</b>		
Width	Length	Height NS 32		
<b>8.2</b>	<b>105.2</b>	<b>58</b>		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
<b>50</b>	<b>1000</b>	<b>0.2 - 10</b>	<b>20-8</b>	
IEC 60947-7-1				
IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	1000	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	50	-
Rated cross section	[mm <sup>2</sup> ]	6	-	-
Cross section range	AWG	24 - 8	20-8	-
<b>Connection capacity</b>				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 10	0.2 - 6 / 0.25 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / -
<b>General data</b>				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		



Technical data				
Width	Length	Height NS 35/7,5		
<b>8.2</b>	<b>105.2</b>	<b>53</b>		
Width	Length	Height NS 32		
<b>8.2</b>	<b>105.2</b>	<b>58</b>		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
<b>50</b>	<b>1000</b>	<b>0.2 - 10</b>	<b>20-8</b>	
IEC 60947-7-1				
IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	1000	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	50	-
Rated cross section	[mm <sup>2</sup> ]	6	-	-
Cross section range	AWG	24 - 8	20-8	-
<b>Connection capacity</b>				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 10	0.2 - 6 / 0.25 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	- / -
<b>General data</b>				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Inflammability class according to UL 94		V0		

#### Ordering data

Description	No. of pos.	Color
<b>Test disconnect terminal block</b> , for mounting on NS 32... or NS 35...		gray
<b>Feed-through terminal block</b> , for mounting on NS 32... or NS 35...		gray

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>USST 6-T/SP</b>		<b>3070330</b>	50
<b>USSTD 6/SP</b>		<b>3070331</b>	50

#### Accessories

<b>Cover</b> , width 2.2 mm		gray			
<b>Jumper</b>					
	2	red	<b>FBS 2-8</b>	41 A	<b>3030284</b>
	3	red	<b>FBS 3-8</b>	41 A	<b>3030297</b>
	10	red	<b>FBS 10-8</b>	41 A	<b>3030323</b>
<b>Switching jumper</b>					
	2	orange	<b>SB 6-T 2-8</b>	32 A	<b>3075842</b>
	3	orange	<b>SB 6-T 3-8</b>	32 A	<b>3075843</b>
	4	orange	<b>SB 6-T 4-8</b>	32 A	<b>3075844</b>
<b>Switching jumper</b> , complete with test sockets					
	2	orange	<b>SBP-TB 6-T 2-8</b>	20 A	<b>3070321</b>
	3	orange	<b>SBP-TB 6-T 3-8</b>	20 A	<b>3070322</b>
	4	orange	<b>SBP-TB 6-T 4-8</b>	20 A	<b>3070323</b>
<b>Isolator bridge bar</b> , 10-pos.					
	10	silver	<b>SCBI 10-8,15 ISO</b>		<b>3000417</b>
<b>Test socket</b>		silver	<b>TPS 3/20/5</b>		<b>3246586</b>
<b>Test socket</b> , insulated <sup>1)</sup>		gray	<b>PSBJ 6-T GY</b>		<b>3070316</b>
<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, fully insulated, 2-pos., I <sub>max</sub> 20 A		black	<b>KSS 8</b>		<b>0311540</b>
<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch		black	<b>KSS 4-8</b>		<b>0309549</b>
<b>Screwdriver</b>			<b>SZS 1,0X4,0 VDE</b>		<b>1205066</b>
<b>Screwdriver</b> , for disconnect slide and test socket			<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>

<b>D-UT 6-T/SP</b>		<b>3072816</b>	50
<b>FBS 2-8</b>	41 A	<b>3030284</b>	10
<b>FBS 3-8</b>	41 A	<b>3030297</b>	10
<b>FBS 10-8</b>	41 A	<b>3030323</b>	10
<b>SB 6-T 2-8</b>	32 A	<b>3075842</b>	10
<b>SB 6-T 3-8</b>	32 A	<b>3075843</b>	10
<b>SB 6-T 4-8</b>	32 A	<b>3075844</b>	10
<b>SBP-TB 6-T 2-8</b>	20 A	<b>3070321</b>	10
<b>SBP-TB 6-T 3-8</b>	20 A	<b>3070322</b>	10
<b>SBP-TB 6-T 4-8</b>	20 A	<b>3070323</b>	10
<b>SCBI 10-8,15 ISO</b>		<b>3000417</b>	10
<b>TPS 3/20/5</b>		<b>3246586</b>	10
<b>PSBJ 6-T GY</b>		<b>3070316</b>	10
<b>KSS 8</b>		<b>0311540</b>	10
<b>KSS 4-8</b>		<b>0309549</b>	10
<b>SZS 1,0X4,0 VDE</b>		<b>1205066</b>	10
<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>	10

#### Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>USST 6-T/SP</b>		<b>3070330</b>	50
<b>USSTD 6/SP</b>		<b>3070331</b>	50

#### Accessories

<b>D-UT 6-T/SP</b>		<b>3072816</b>	50
<b>FBS 2-8</b>	41 A	<b>3030284</b>	10
<b>FBS 3-8</b>	41 A	<b>3030297</b>	10
<b>FBS 10-8</b>	41 A	<b>3030323</b>	10
<b>SB 6-T 2-8</b>	32 A	<b>3075842</b>	10
<b>SB 6-T 3-8</b>	32 A	<b>3075843</b>	10
<b>SB 6-T 4-8</b>	32 A	<b>3075844</b>	10
<b>SBP-TB 6-T 2-8</b>	20 A	<b>3070321</b>	10
<b>SBP-TB 6-T 3-8</b>	20 A	<b>3070322</b>	10
<b>SBP-TB 6-T 4-8</b>	20 A	<b>3070323</b>	10
<b>SCBI 10-8,15 ISO</b>		<b>3000417</b>	10
<b>TPS 3/20/5</b>		<b>3246586</b>	10
<b>PSBJ 6-T GY</b>		<b>3070316</b>	10
<b>KSS 8</b>		<b>0311540</b>	10
<b>KSS 4-8</b>		<b>0309549</b>	10
<b>SZS 1,0X4,0 VDE</b>		<b>1205066</b>	10
<b>SF-SL 0,6X3,5-100 S-VDE</b>		<b>1212587</b>	10

**Lateral groove marking**

**UC-TM 8, UCT-TM 8 or ZB 8**  
(see Catalog 5)

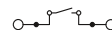
**UC-TM 8, UCT-TM 8 or ZB 8**  
(see Catalog 5)

## Spring-assisted test disconnect and feed-through terminal blocks

## Notes:

1) When the switching jumper is used,  $U_{max}$  is reduced to 400 V.

2) For additional test sockets, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



6 (10) mm<sup>2</sup>, 57 A, test disconnect terminal block, for accommodating switching jumpers, 2 connections



Dimensions		Width		Length		Height NS 35/7,5	
	[mm]	8.2	82	82	52		
Dimensions		Width		Length		Height NS 32	
	[mm]	8.2	82	82	57		
Max. electrical data		$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)		
		57	500 <sup>1)</sup>	0.2 - 10	24-10		
Rated data		IEC 60947-7-1	UL	CSA	IEC/EN 60079-7		
Rated voltage	[V]	500 <sup>1)</sup>	600	-	-		
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	30 / -	-	-		
Rated cross section	[mm <sup>2</sup> ]	6	-	-	-		
Cross section range	AWG	24 - 8	24-10	-	-		
Connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve			
1 conductor	[mm <sup>2</sup> ]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6		
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-		
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-	-	0.5 - 4		
General data		Stripping length	[mm]	12			
		Screw thread		M4			
		Tightening torque	[Nm]	1.5 - 1.8			
		Insulating material		PA			
		Inflammability class according to UL 94		V0			

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray

Cover, width 2.2 mm		gray
Switching jumper		

	2	orange
	3	orange
	4	orange

Switching jumper, complete with test sockets		
	2	orange
	3	orange
	4	orange

Fixed bridge, 10-pos.	10	silver
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Isolator bridge bar, 10-pos.	10	silver
------------------------------	----	--------

Test socket		silver
-------------	--	--------

Test socket, insulated <sup>2)</sup>		gray
		brown
		black
		red
		orange
		white
		yellow
		green
		violet
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max}$ 20 A		black

Screwdriver		
Screwdriver, for disconnect slide and test socket		

Lateral groove marking		
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Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
USST 6-T/SB		3070310	50

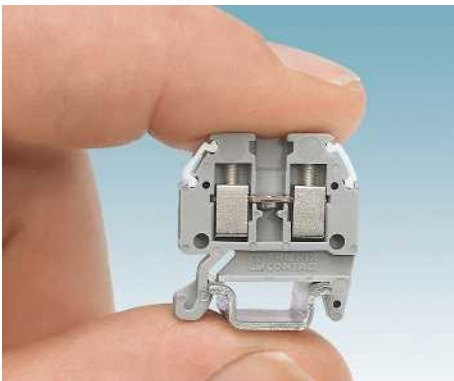
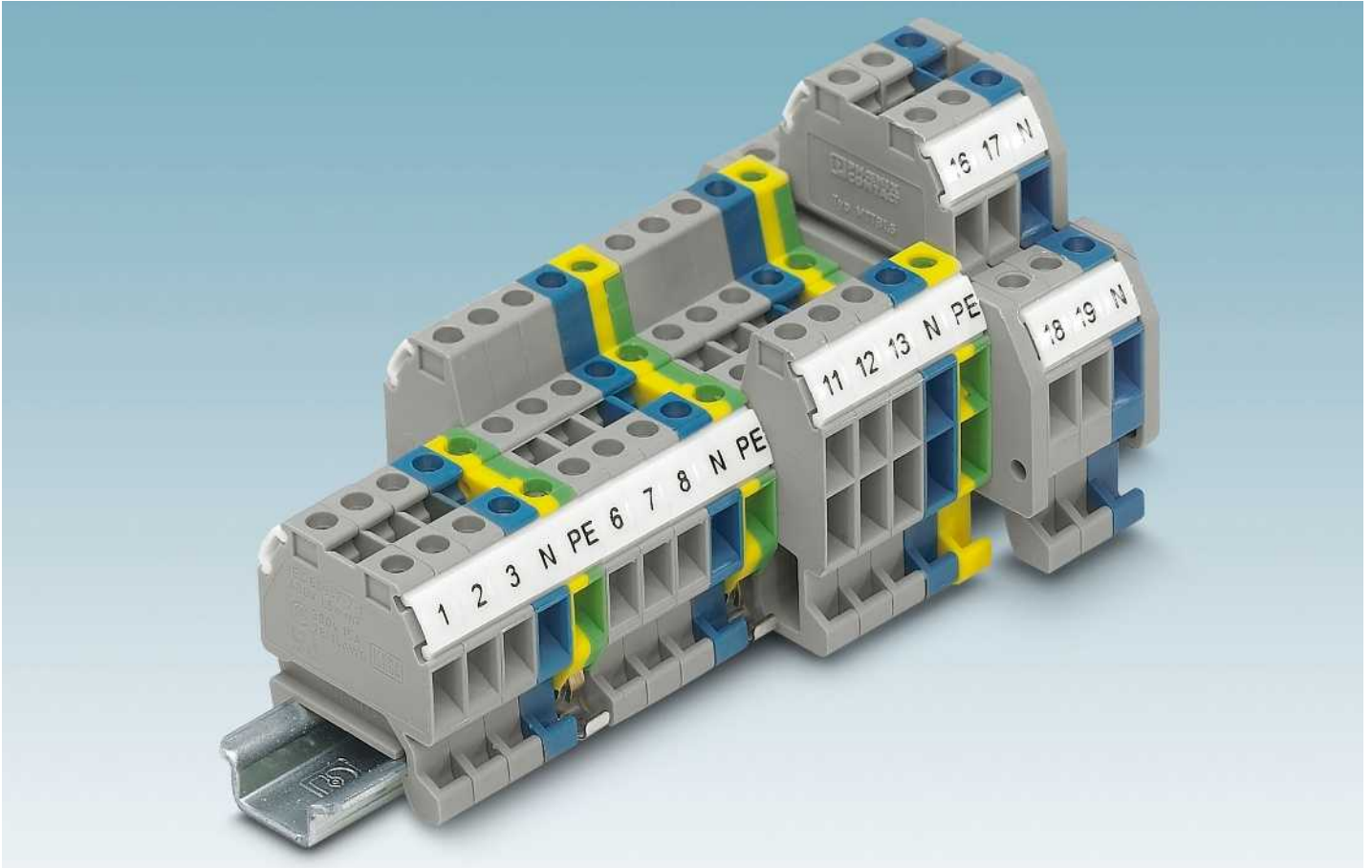
Accessories			
D-USST 6-T		3070367	50
SB 6-T 2-8	32 A	3075842	10
SB 6-T 3-8	32 A	3075843	10
SB 6-T 4-8	32 A	3075844	10
SBP-TB 6-T 2-8	20 A	3070321	10
SBP-TB 6-T 3-8	20 A	3070322	10
SBP-TB 6-T 4-8	20 A	3070323	10
SCBI 10-8,15	30 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
TPS 3/20/5		3246586	10
PSBJ 6-T GY		3070316	10
PSBJ 6-T BN		3070317	10
PSBJ 6-T BK		3070318	10
PSBJ 6-T RD		3070319	10
PSBJ 6-T OG		3070320	10
PSBJ 6-T WH		3070324	10
PSBJ 6-T YE		3070326	10
PSBJ 6-T GN		3070327	10
PSBJ 6-T VT		3070328	10
KSS 8		0311540	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)			
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## Terminal blocks

### MT and MBK miniature screw terminal blocks

#### MT... miniature terminal blocks



#### Miniature terminal blocks

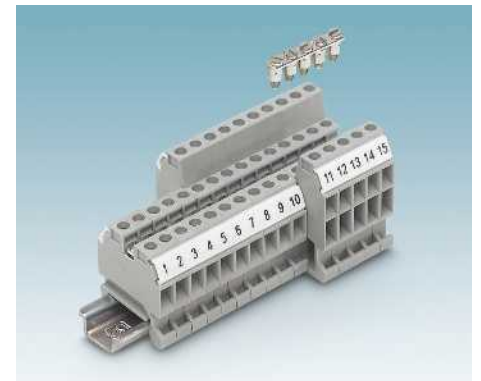
The miniature screw terminal blocks The MT may be tiny but they can be marked and bridged just like their larger cousins. With a pitch of 4.2 mm and a connection cross section of 1.5 mm<sup>2</sup>, they permit convenient wiring in confined spaces.



#### Universal and zero-maintenance

The screw connection of the MT miniature terminal blocks is characterized by three main features.

- Global standard
- Multiple conductor connection
- Zero maintenance thanks to Reakdyn principle.



#### Continuous potential distribution

Potential branching is one of the most common tasks in control unit construction. The MT miniature terminal blocks are available as three and four-conductor terminal blocks. A large number of switching tasks can be undertaken in the terminal strip with the linear bridge shaft.

### MT... miniature feed-through terminal block for NS 15 DIN rail

Their compact design means that the the micro MT 1,5 terminals can keep pace with the growing need for ever smaller switch boxes

The miniature terminal blocks have everything that makes the terminal blocks stand out:

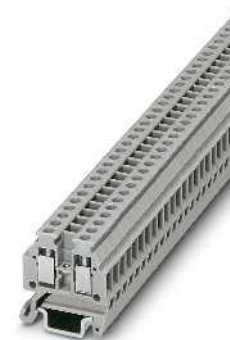
- Overall width of just 4.2 mm
- Nominal cross section of 1.5 mm<sup>2</sup>
- Snap-on foot for DIN rails NS 15
- Numerous marking options
- Bridging facility in terminal center.

Potential branching is one of the main tasks of terminal blocks in control unit construction.

- The three or four-conductor terminal blocks MT 1,5–TWIN or MT 1,5–QUATTRO undertake this work in very confined spaces
- The MUT ... miniature terminal blocks can be found in section on 4 mm<sup>2</sup> UT... screw connection terminal blocks
- The amount of space saved is maximized with the double-level micro terminal MTTB 1,5
- This double-level terminal block contains two feed-through levels which can be bridged independently of one another
- Can be used on both the 15 mm DIN rail NS 15 and the 35 mm DIN rail NS 35

#### Notes:

For mini screw terminal blocks with jumpers, see page 39



1.5 (1.5) mm<sup>2</sup>, 17.5 A, feed-through terminal block

Ex: CCA

Dimensions	
Width	4.2 [mm]
Length	22 [mm]
Height NS 15	23.5 [mm]
Max. electrical data	
I <sub>max</sub> [A]	17.5
U <sub>max</sub> [V]	400
IEC 60947-7-1	
IEC	UL
CSA	IEC/EN 60079-7
Rated data	
Rated voltage [V]	400
Nominal current / cross section [A] / [mm <sup>2</sup> ]	17.5 / 1.5
Rated cross section [mm <sup>2</sup> ]	1.5
Cross section range AWG	26 - 16
Connection capacity	
1 conductor [mm <sup>2</sup> ]	0.14 - 1.5
2 conductors (of the same type) [mm <sup>2</sup> ]	0.14 - 0.5
General data	
Stripping length [mm]	6
Screw thread	M2
Tightening torque [Nm]	0.22 - 0.25
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
Width	Length	Height NS 15	
4.2	22	23.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
17.5	400	0.14 - 1.5	30-14
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage [V]	300	300	-
Nominal current / cross section [A] / [mm <sup>2</sup> ]	15 / -	15 / -	-
Rated cross section [mm <sup>2</sup> ]	-	-	-
Cross section range AWG	26 - 16	30-14	28-14
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-

Description	No. of pos.	Color
Terminal block, for mounting on NS 15 according to EN 60715		gray
		blue
Cover, width 1 mm		gray
		blue
Fixed bridge, insulated	10	silver
Screwdriver		
Lateral groove marking		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MT 1,5		3100305	50
MT 1,5 BU		3003363	50

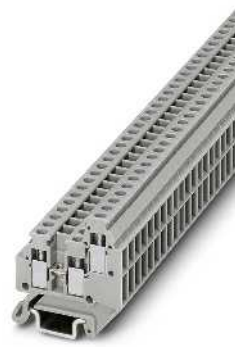
Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-MT 1,5		3100321	50
D-MT 1,5 BU		3025529	50
FBRN 10-4 N	12 A	3001624	10
SZS 0,4X2,5 VDE		1205037	10
ZBF 4 (see Catalog 5)			

# Terminal blocks

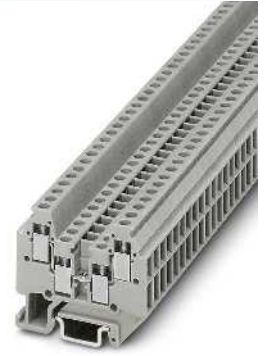
## MT and MBK miniature screw terminal blocks

### Miniature feed-through terminal block with 3 and 4 connections MT..., for NS 15 DIN rail

- Overall width of just 4.2 mm
- Nominal cross section of 1.5 mm<sup>2</sup>
- Snap-on foot for DIN rails NS 15
- Numerous marking options
- Bridging facility in terminal center.



1.5 (1.5) mm<sup>2</sup>, 17.5 A, feed-through terminal block, 3 connections



1.5 (1.5) mm<sup>2</sup>, 16 A, feed-through terminal block, 4 connections



Dimensions		Technical data			
	[mm]	Width	Length	Height NS 15	
		4.2	28	30	
Max. electrical data		I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		17.5	400	0.14 - 1.5	30-14
Rated data		IEC 60947-7-1			
		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm <sup>2</sup> ]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Solid Stranded Ferrule			
		without/with plastic sleeve			
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Dimensions		Technical data			
	[mm]	Width	Length	Height NS 15	
		4.2	33.5	30	
Max. electrical data		I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		16	400	0.14 - 1.5	30-14
Rated data		IEC 60947-7-1			
		IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	16 / 1.5	15 / -	15 / -	-
Rated cross section	[mm <sup>2</sup> ]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Solid Stranded Ferrule			
		without/with plastic sleeve			
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Inflammability class according to UL 94		V0			

Description			Ordering data			
Description	No. of pos.	Color	Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 according to EN 60715		gray	MT 1,5-TWIN		3001682	50
		blue	MT 1,5-TWIN BU		3025532	50

Description			Ordering data			
Description	No. of pos.	Color	Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 15 according to EN 60715		gray	MT 1,5-QUATTRO		3001679	50
		blue	MT 1,5-QUATTRO BU		3025150	50

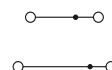
Cover, width 1 mm			Accessories			
Description	No. of pos.	Color	Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
Fixed bridge, insulated		gray	D-MT 1,5-TWIN		3002979	50
		blue	D-MT 1,5-TWIN BU		3025309	50
Screwdriver	10	silver	FBRN 10-4 N	12 A	3001624	10
			SZS 0,4X2,5 VDE		1205037	10
Lateral groove marking			ZBF 4 (see Catalog 5)			

Cover, width 1 mm			Accessories			
Description	No. of pos.	Color	Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
Fixed bridge, insulated		gray	D-MT 1,5-QUATTRO		3002982	50
		blue	D-MT 1,5-QUATTRO BU		3025309	50
Screwdriver	10	silver	FBRN 10-4 N	12 A	3001624	10
			SZS 0,4X2,5 VDE		1205037	10
Lateral groove marking			ZBF 4 (see Catalog 5)			



### Miniature double-level terminal blocks MTTB 1,5

- Overall width of just 4.2 mm
- Nominal cross section of 1.5 mm<sup>2</sup>
- Snap-on foot for DIN rails NS 15 and NS 35
- Numerous marking options
- Bridging facility on both levels
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



1.5 (1.5) mm<sup>2</sup>, 17.5 A, double-level terminal block



Dimensions		[mm]	
Dimensions		4.2	44
Dimensions		4.2	44
Max. electrical data			
Rated data		400	300
Rated voltage	[V]	17.5 / 1.5	15 / -
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	1.5	-
Rated cross section	[mm <sup>2</sup> ]	26 - 16	30-14
Cross section range	AWG	26 - 16	30-14
Connection capacity			
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.5	0.14 - 0.5
General data			
Stripping length	[mm]	6	
Screw thread		M2	
Tightening torque	[Nm]	0.22 - 0.25	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data				
Width	Length	Height NS 35/7,5		
4.2	44	41		
Width	Length	Height NS 15		
4.2	44	41		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
17.5	400	0.14 - 1.5	30-14	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	[V]	400	300	300
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5	15 / -	15 / -
Rated cross section	[mm <sup>2</sup> ]	1.5	-	-
Cross section range	AWG	26 - 16	30-14	28-14
Connection capacity		Ferrule		
		without/with plastic sleeve		
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34

Description	No. of pos.	Color
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35 according to EN 60715		gray
		blue
Cover, width 1 mm		gray
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		gray
Fixed bridge, insulated	10	silver
Screwdriver		
Lateral groove marking		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MTTB 1,5		1414129	50
MTTB 1,5 BU		3000926	50

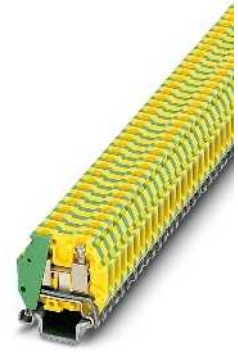
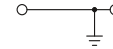
Accessories			
D-MTTB 1,5		3002665	50
DG-MTTB 1,5		3002678	50
DP-MTTB 1,5		3002681	50
FBRN 10-4 N	12 A	3001624	10
SZS 0,4X2,5 VDE		1205037	10
ZBF 4 (see Catalog 5)			

# Terminal blocks

## MT and MBK miniature screw terminal blocks

### Miniature ground terminals MT ...-PE, for NS 15 DIN rails

- Same shape and pitch as the feed-through terminal blocks
- The MT ...-PE fulfill all requirements of the IEC 60947-7-2 standard  
These are in particular:
  - Low contact resistances
  - Green-yellow housing
  - Corrosion-proof terminal points
  - Captive clamping screws.



1.5 (1.5) mm<sup>2</sup>, ground terminal













Ex:

<b>Dimensions</b>		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-
Rated cross section	[mm <sup>2</sup> ]	1.5
Cross section range	AWG	26 - 16
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.14 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.14 - 0.5
<b>General data</b>		
Stripping length	[mm]	6
Screw thread		M2
Tightening torque	[Nm]	0.22 - 0.25
Insulating material		PA
Inflammability class according to UL 94		V0

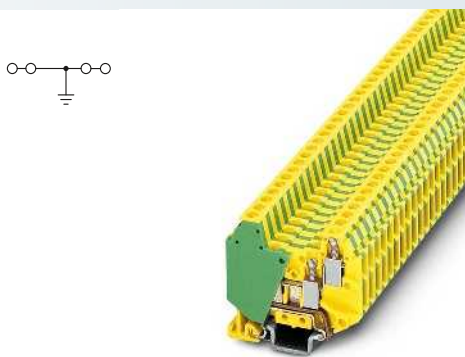
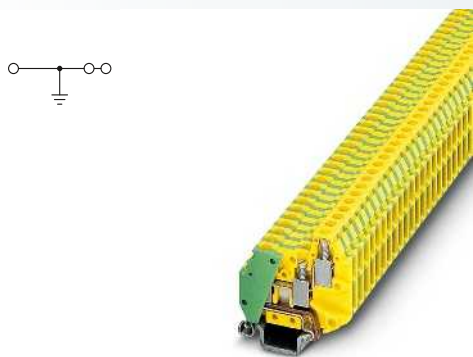
Technical data			
Width	Length	Height NS 15	
4.2	22	23.5	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.14 - 1.5	30-14
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
		Ferrule	
		without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-

Description	Color
Ground terminal, for mounting on NS 15	green-yellow

Ordering data		
Type	Order No.	Pcs. / Pkt.
MT 1,5-PE	3100318	50

Screwdriver
Lateral groove marking

Accessories		
SZS 0,4X2,5 VDE	1205037	10
ZBF 4 (see Catalog 5)		



1.5 (1.5) mm<sup>2</sup>, ground terminal, 3 connections

1.5 (1.5) mm<sup>2</sup>, ground terminal, 4 connections



Technical data			
Width	Length	Height NS 15	
4.2	28	30	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.14 - 1.5	30-14
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Technical data			
Width	Length	Height NS 15	
4.2	33.5	30	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.14 - 1.5	30-14
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	-	-	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
MT 1,5-TWIN-PE	3001705	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
MT 1,5-QUATTRO-PE	3001695	50

Accessories		
SZS 0,4X2,5 VDE	1205037	10
ZBF 4 (see Catalog 5)		

Accessories		
SZS 0,4X2,5 VDE	1205037	10
ZBF 4 (see Catalog 5)		

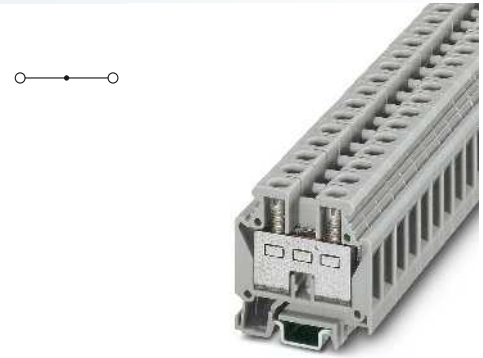
# Terminal blocks

## MT and MBK miniature screw terminal blocks

### MBK ... miniature feed-through terminal blocks

- The MBK ... and MSLKG ... terminal blocks represent the top end of the mini terminal block range for 15 mm NS 15 DIN rails
- MBK ... terminal blocks can be bridged in the terminal center
- Lateral marking with ZB zack marker strip terminal marking for tall marker groove
- Cross sections of up to 6 mm<sup>2</sup> can be easily wired
- Extensive bridging material, such as fixed bridges, insertion bridges, and switchable bridges, enable simple and reliable potential branching
- A separating disk, partition plate, and test socket complete the range of accessories
- The MUT ... miniature terminal blocks can be found in the section on 4 mm<sup>2</sup> UT... screw connection terminal blocks

Notes:
For 2.5 mm <sup>2</sup> mini screw terminal blocks with jumpers, see page 39.
For 4 mm <sup>2</sup> mini screw terminal blocks with jumpers, see page 51.
1) For information on installation and using accessories for Ex applications, see page 602.



6 (10) mm<sup>2</sup>, 57 A, feed-through terminal block



Ex: Ex IIC  
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Dimensions		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	500	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6	50 / -
Rated cross section	[mm <sup>2</sup> ]	6	-
Cross section range	AWG	20 - 8	26-8
<b>Connection capacity</b>			
1 conductor	[mm <sup>2</sup> ]	0.5 - 10	0.5 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5	0.5 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	6	4
<b>General data</b>			
Stripping length	[mm]	10	
Screw thread		M4	
Tightening torque	[Nm]	1.5 - 1.8	
Insulating material		PA	
Inflammability class according to UL 94		V2	

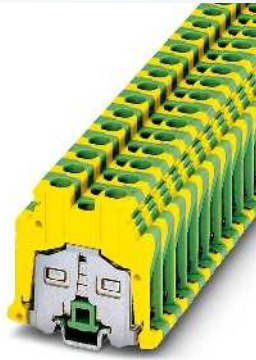
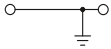
Technical data				
Width	Length	Height NS 15		
8.2	35	36		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
57	500	0.5 - 10	26-8	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Ferrule				
		without/with plastic sleeve		
Solid	Stranded	0.25 - 6	0.25 - 6	
		0.5 - 2.5	-	
		-	0.5 - 2.5	
		-	-	

Description	No. of pos.	Color
Terminal, for mounting on NS 15		gray
Ground terminal, for mounting on NS 15		green-yellow

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MBK 6/E		0552024	50

Accessories <sup>1)</sup>		
Cover, width 1.5 mm		gray
Insertion bridge, fully insulated		
	2	gray
	3	gray
	4	gray
	10	gray
Fixed bridge, insulated		
	10	silver
Switching jumper for 2 terminal blocks, complete, mounted with short or long link according to required separation		
	2	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		gray
Test socket, for test connection with test plug PS		silver
Screwdriver		
Lateral groove marking		

Accessories <sup>1)</sup>			
D-MBK 6/E		Order No.	Pcs. / Pkt.
		1413049	50
EB 2- 8	43 A	0202154	100
EB 3- 8	43 A	0202141	100
EB 4- 8	43 A	0202142	100
EB 10- 8	43 A	0202138	10
FBI 10- 8	48 A	0203263	10
SB 2- 8/13	43 A	0202235	1
IS-K 10		1303337	100
TS-KK 3		2770215	50
ATP-MBK		1413227	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10
ZB 8 (see Catalog 5)			

6 (10) mm<sup>2</sup>, ground terminal

Ex:   
KEMA 01ATEX2134U / IECEx KEM 07.0008U

#### Technical data

Width	Length	Height NS 15	
8.2	39	36	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.5 - 10	26-8
IEC 60947-7-2			
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	- / 6
6	-	-	0.5-6
20 - 8	26-8	26-8	20 - 8
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.2 - 2.5	0.5 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-

10  
M4  
1.5 - 1.8  
PA  
V2

#### Ordering data

Type	Order No.	Pcs. / Pkt.
MSLKG 6	1410505	50

#### Accessories<sup>1)</sup>

SZS 1,0X4,0 VDE	1205066	10
ZB 8 (see Catalog 5)		

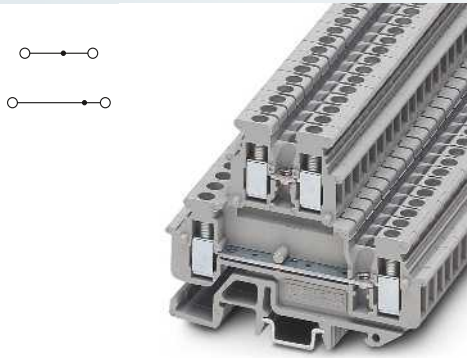
# Terminal blocks

## MT and MBK miniature screw terminal blocks

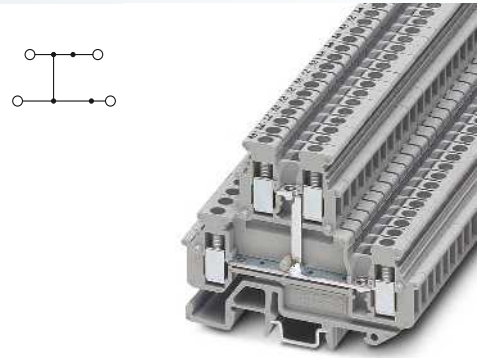
### Mini double-level terminal blocks MBKKB 2,5...

- The miniature double-level terminal block is characterized by its space-saving, low height, and offset levels
- Fixed bridges and test sockets can be inserted on both levels

**Notes:**  
1) For information on installation and using accessories for Ex applications, see page 602.



2.5 (4) mm<sup>2</sup>, 24 A, double-level terminal block



2.5 (4) mm<sup>2</sup>, 24 A, double-level terminal block, internally connected levels



Ex: KEMA 03ATEX2082 U / IECEx KEM 07.0018U



Dimensions		[mm]
Dimensions		[mm]
Max. electrical data		
<b>Rated data</b>		
Rated voltage	[V]	500
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	24 - 12
Connection capacity		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5
General data		
Stripping length	[mm]	7
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.6
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data				
Width	Length	Height NS 35/7,5		
5.2	62	48		
Width	Length	Height NS 15		
5.2	62	47.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.2 - 4	30-12	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
500	300	300	275	
24 / 2.5	20 / -	20 / -	21 / 2.5	
2.5	-	-	0.2-2.5	
24 - 12	30-12	28-12	24 - 12	
Connection capacity		Ferrule		
		without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1	
2.5	2.5	-	-	
General data				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Technical data				
Width	Length	Height NS 35/7,5		
5.2	62	48		
Width	Length	Height NS 15		
5.2	62	47.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500	0.2 - 4	30-12	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
500	300	-	-	
24 / 2.5	20 / -	-	-	
2.5	-	-	-	
24 - 12	30-12	-	-	
Connection capacity		Ferrule		
		without/with plastic sleeve		
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	
-	-	-	0.5 - 1	
2.5	2.5	-	-	
General data				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Description	No. of pos.	Color
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... according to EN 60715		gray
		blue
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... according to EN 60715, with equipotential bonding between the levels		gray
		blue

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MBKKB 2,5		1414064	50
MBKKB 2,5 BU		1414077	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
MBKKB 2,5-PV		2800583	50
MBKKB 2,5-PV BU		1414132	50

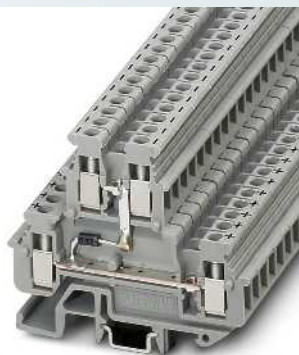
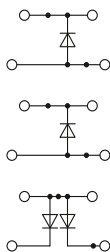
Accessories <sup>1)</sup>		
Cover, width 2.5 mm	gray	
	blue	
Spacer plate, compensates for level offsets, width 2.5 mm	gray	
Fixed bridge, insulated		
	2	silver
	3	silver
	4	silver
	10	silver
Insertion bridge, for 5.2 mm pitch, fully insulated		
	2	gray
	3	gray
	10	gray
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray
Test socket		silver
Screwdriver		
Lateral groove marking		

Accessories <sup>1)</sup>			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-MBKKB 2,5		1413052	50
D-MBKKB 2,5 BU		1413081	50
DP-MBKKB 2,5		1413065	50
FBRNI 2-5 N	22 A	3000175	10
FBRNI 3-5 N	22 A	3000162	10
FBRNI 4-5 N	22 A	3000159	10
FBRNI 10-5 N	22 A	2770639	10
EB 2- 5	20 A	1401158	100
EB 3- 5	20 A	1401145	100
EB 10- 5	20 A	1401132	10
TS-KK 3 SO		2778534	50
PSB 3/10/4		0601292	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 5)			

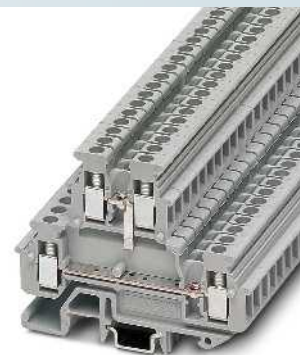
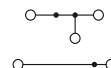
Accessories <sup>1)</sup>			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-MBKKB 2,5		1413052	50
D-MBKKB 2,5 BU		1413081	50
DP-MBKKB 2,5		1413065	50
FBRNI 2-5 N	22 A	3000175	10
FBRNI 3-5 N	22 A	3000162	10
FBRNI 4-5 N	22 A	3000159	10
FBRNI 10-5 N	22 A	2770639	10
EB 2- 5	20 A	1401158	100
EB 3- 5	20 A	1401145	100
EB 10- 5	20 A	1401132	10
TS-KK 3 SO		2778534	50
PSB 3/10/4		0601292	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 5)			

**Mini double-level diode terminal blocks MBKKB 2,5...**

- Thanks to the different versions of double-level diode terminal blocks, it is possible to carry out a great variety of switching tasks
- The following can be realized in tight spaces: Free-wheeling diode circuits, lamp test circuits, reporting and fault reporting circuits



With integrated diode 1N 4007



2.5 (4) mm<sup>2</sup>, 24 A, double-level terminal block for soldering in components

**Notes:**

<sup>1)</sup> Data is based on the electric strength of adjacent terminal blocks or of the DIN rail.

<sup>2)</sup> Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

ERC

ERC

<b>Dimensions</b>		
	[mm]	
<b>Dimensions</b>		
	[mm]	
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	500 <sup>1)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5
Rated cross section	[mm <sup>2</sup> ]	2.5
Cross section range	AWG	24 - 12
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.2 - 4
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.2 - 1
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ]	-
Max. cross section with insertion bridge	[mm <sup>2</sup> ]	2.5
<b>General data</b>		
Stripping length	[mm]	7
Screw thread		M3
Tightening torque	[Nm]	0.5 - 0.6
Insulating material		PA
Inflammability class according to UL 94		V2

Technical data				
Width	Length	Height NS 35/7,5		
5.2	62	48		
Width	Length	Height NS 15		
5.2	62	47.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500 <sup>1)</sup>	0.2 - 4	-	
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7	
500 <sup>1)</sup>	-	-	-	
24 / 2.5	-	-	-	
2.5	-	-	-	
24 - 12	-	-	-	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	2.5	2.5	-	-
<b>General data</b>				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Technical data				
Width	Length	Height NS 35/7,5		
5.2	62	48		
Width	Length	Height NS 15		
5.2	62	47.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	500 <sup>1)</sup>	0.2 - 4	-	
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7	
500 <sup>1)</sup>	-	-	-	
24 / 2.5	-	-	-	
2.5	-	-	-	
24 - 12	-	-	-	
Connection capacity	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 stranded conductors with a TWIN ferrule	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	2.5	2.5	-	-
<b>General data</b>				
Stripping length	[mm]	7		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V2		

Description	No. of pos.	Color
Terminal block, with integrated diode, conducting from top to bottom <sup>2)</sup>		gray
Terminal block, with integrated diode, conducting from bottom to top <sup>2)</sup>		gray
Terminal block, with integrated diode, conducting from top to bottom left and from top to bottom right <sup>2)</sup>		gray
Terminal block, component can be soldered in		gray

Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
MBKKB 2,5-DIO/O-U		2800567	50	
MBKKB 2,5-DIO/U-O		2800570	50	
MBKKB 2,5-2DIO/O-UL/O-UR		3003871	50	
MBKKB 2,5-BE		1414103	50	

Ordering data				
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.	
MBKKB 2,5-DIO/O-U		2800567	50	
MBKKB 2,5-DIO/U-O		2800570	50	
MBKKB 2,5-2DIO/O-UL/O-UR		3003871	50	
MBKKB 2,5-BE		1414103	50	

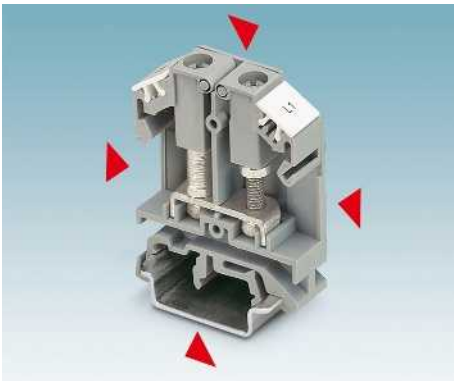
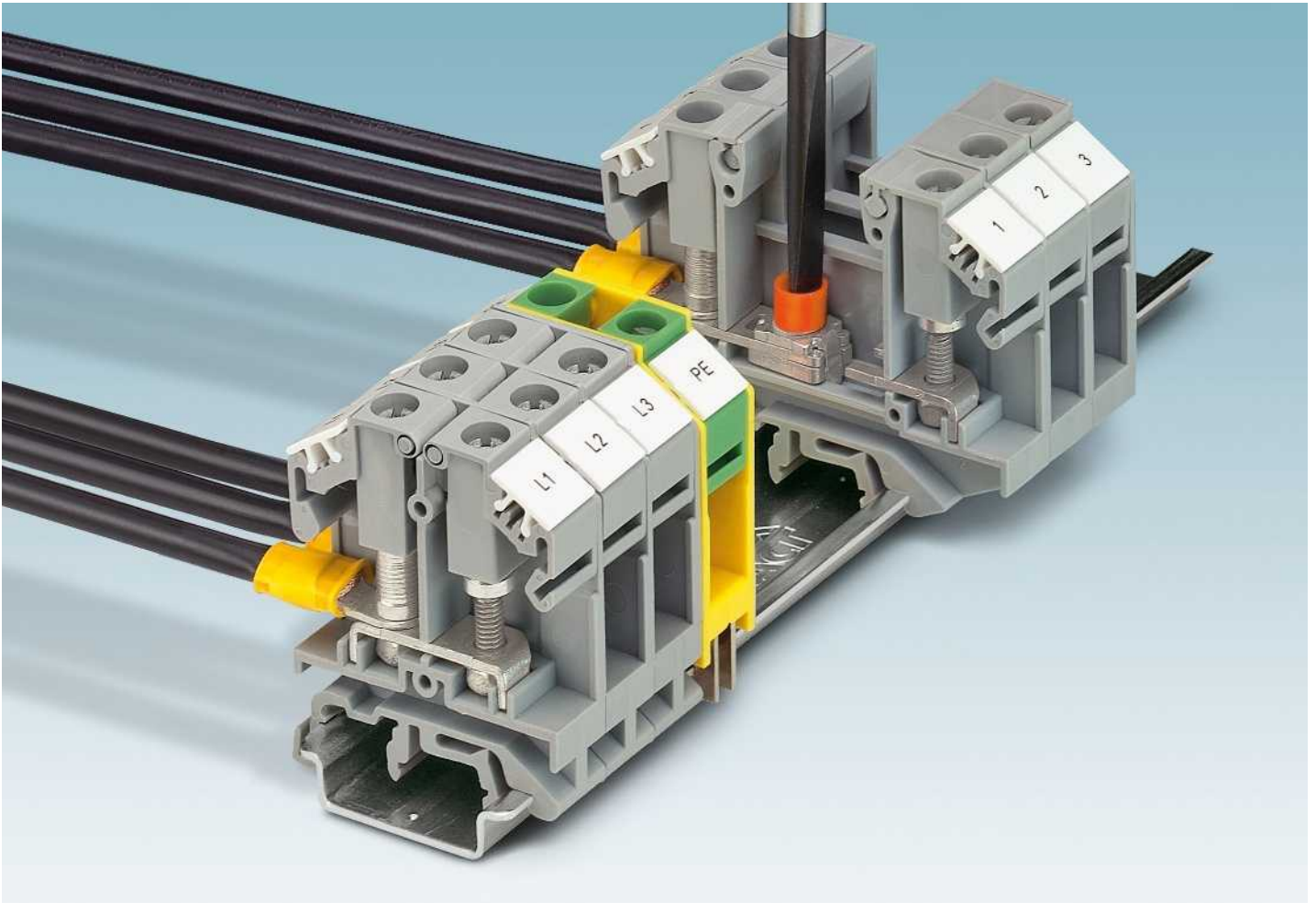
Accessories		
Accessories		
Cover, width 2.5 mm	gray	
Spacer plate, compensates for level offsets, width 2.5 mm	gray	
Fixed bridge, insulated		
	2	silver
	3	silver
	4	silver
	10	silver
Screwdriver		
Lateral groove marking		

Accessories				
Accessories				
D-MBKKB 2,5		1413052	50	
DP-MBKKB 2,5		1413065	50	
FBRNI 2-5 N	22 A	3000175	10	
FBRNI 3-5 N	22 A	3000162	10	
FBRNI 4-5 N	22 A	3000159	10	
FBRNI 10-5 N	22 A	2770639	10	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 5 (see Catalog 5)				

Accessories				
Accessories				
D-MBKKB 2,5		1413052	50	
DP-MBKKB 2,5		1413065	50	
FBRNI 2-5 N	22 A	3000175	10	
FBRNI 3-5 N	22 A	3000162	10	
FBRNI 4-5 N	22 A	3000159	10	
FBRNI 10-5 N	22 A	2770639	10	
SF-SL 0,6X3,5-100 S-VDE		1212587	10	
ZB 5 (see Catalog 5)				

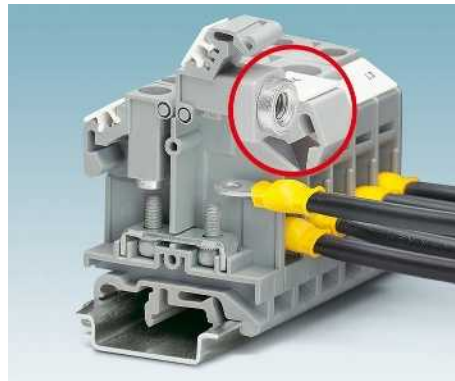
## Terminal blocks

### OTTA bolt connection terminal blocks



#### Space-saving design

Thanks to their compact type, OTTA bolt connection terminal blocks are ideally suited for switchgear, in which space is limited.



#### Fast, convenient conductor connection

The key feature of this range is the hinged cover which can be swung up and which features a captive cap nut. This guarantees quick and easy ring cable lug wiring.



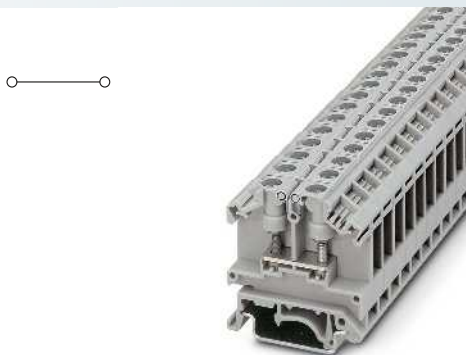
#### Integrated shock protection

In addition to securing the cap nuts, the hinged cover offers simultaneous shock protection when using insulated ring cable lugs.

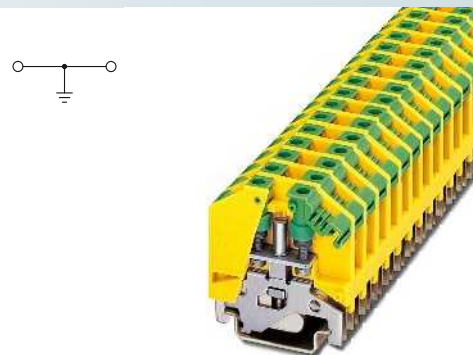


### OTTA ... feed-through terminal blocks and ground terminals

- Convenient and fast conductor connection with captive cap nuts
- Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
- Space-saving, compact design
- Integrated screw locking



2.5 (2.5) mm<sup>2</sup>, 24 A, feed-through terminal block



2.5 (2.5) mm<sup>2</sup>, ground terminal



#### Technical data

Dimensions	Width	Length	Height NS 35/7,5		
	9	43.5	45.5		
Dimensions	Width	Length	Height NS 32		
	9	43.5	50.5		
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
	24	800	0.1 - 2.5	-	
Rated data	IEC 60947-7-1	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	26 - 14	-	22-14	-
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
Color code		red	1.50 mm <sup>2</sup>		
		blue	2.50 mm <sup>2</sup>		
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
General data	Screw thread	M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V0			

#### Ordering data

Description	No. of pos.	Color	Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	OTTA 2,5		0790530	50
With test socket screws		gray	OTTA 2,5-P/P		0790543	50
Ground terminal, for mounting on NS 35...		green-yellow				

#### Accessories

Accessories	Type	Order No.	Pcs. / Pkt.
Cover, width 1.5 mm	D-OTTA 2,5	0790569	50
Insertion bridge	EB 2-OTTA 2,5	3026065	10
	EB 3-OTTA 2,5	3026078	10
	EB 4-OTTA 2,5	3026081	10
	EB 5-OTTA 2,5	3026094	10
	EB 6-OTTA 2,5	3026104	10
	EB 7-OTTA 2,5	3026117	10
	EB 10-OTTA 2,5	3026120	10
Partition plate, for visual and electrical separation of terminal groups, 1,5 mm thick	ATP-OTTA 2,5	0790572	50
Screwdriver	SZS 0,6X3,5	1205053	10

Technical data	Width	Length	Height NS 35/7,5		
	10	43.5	45.5		
Technical data	Width	Length	Height NS 32		
	10	43.5	50.5		
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
	24	800	0.1 - 2.5	-	
Rated data	IEC 60947-7-2	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	-	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	26 - 14	-	22-14	-
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
Color code		red	1.50 mm <sup>2</sup>		
		blue	2.50 mm <sup>2</sup>		
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
General data	Screw thread	M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

Ordering data	Type	Order No.	Pcs. / Pkt.
OTTA 2,5-PE		0790556	50

Lateral groove marking

ZB 8 (see Catalog 5)



#### Technical data

Dimensions	Width	Length	Height NS 35/7,5		
	10	43.5	45.5		
Dimensions	Width	Length	Height NS 32		
	10	43.5	50.5		
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
	24	800	0.1 - 2.5	-	
Rated data	IEC 60947-7-2	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	-	-	-	-
Rated cross section	[mm <sup>2</sup> ]	2.5	-	-	-
Cross section range	AWG	26 - 14	-	22-14	-
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
Color code		red	1.50 mm <sup>2</sup>		
		blue	2.50 mm <sup>2</sup>		
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
General data	Screw thread	M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Inflammability class according to UL 94		V2			

#### Ordering data

Description	No. of pos.	Color	Type	I <sub>max.</sub>	Order No.	Pcs. / Pkt.
Terminal block, for mounting on NS 35...		gray	OTTA 2,5		0790530	50
With test socket screws		gray	OTTA 2,5-P/P		0790543	50
Ground terminal, for mounting on NS 35...		green-yellow				

#### Accessories

Accessories	Type	Order No.	Pcs. / Pkt.
Cover, width 1.5 mm	D-OTTA 2,5	0790569	50
Insertion bridge	EB 2-OTTA 2,5	3026065	10
	EB 3-OTTA 2,5	3026078	10
	EB 4-OTTA 2,5	3026081	10
	EB 5-OTTA 2,5	3026094	10
	EB 6-OTTA 2,5	3026104	10
	EB 7-OTTA 2,5	3026117	10
	EB 10-OTTA 2,5	3026120	10
Partition plate, for visual and electrical separation of terminal groups, 1,5 mm thick	ATP-OTTA 2,5	0790572	50
Screwdriver	SZS 0,6X3,5	1205053	10

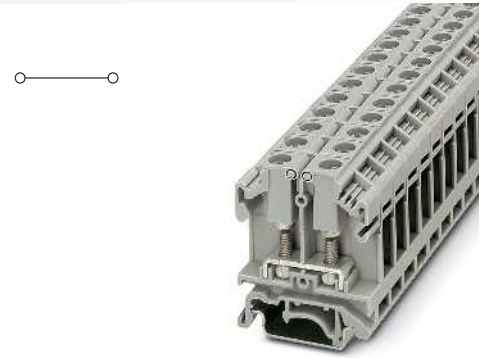
ZB 8 (see Catalog 5)

# Terminal blocks

## OTTA bolt connection terminal blocks

### OTTA ... feed-through terminal blocks and ground terminals

- Convenient and fast conductor connection with captive cap nuts
- Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
- Space-saving, compact design
- Integrated screw locking



6 (6) mm<sup>2</sup>, 41 A, feed-through terminal block



<b>Dimensions</b>		
	[mm]	
<b>Dimensions</b>		
	[mm]	
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	800
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	41 / 6
Rated cross section	[mm <sup>2</sup> ]	6
Cross section range	AWG	26 - 10
<b>Connection capacity, DIN 46234</b>		
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 6
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6
Color code		red 1.50 mm <sup>2</sup> blue 2.50 mm <sup>2</sup> yellow 6.00 mm <sup>2</sup>
<b>Connection capacity, DIN 46237</b>		
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 2.5
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6
<b>General data</b>		
Screw thread		M4
Tightening torque	[Nm]	1.5 - 1.8
Insulating material		PA
Inflammability class according to UL 94		V0

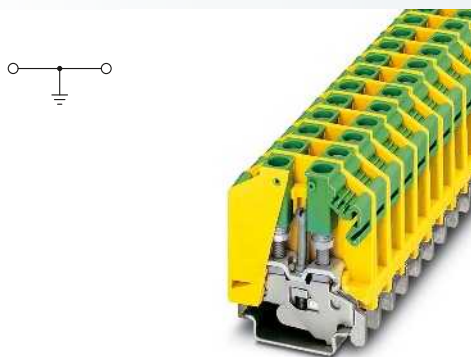
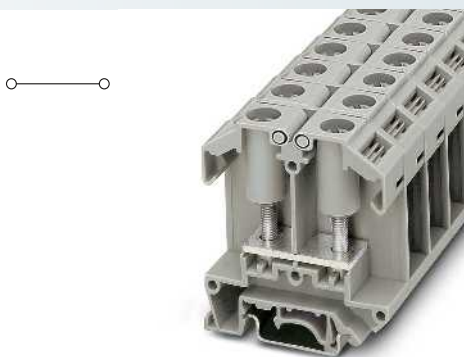
Technical data			
Width	Length	Height NS 35/7,5	
11	43.5	52	
Width	Length	Height NS 32	
11	43.5	57	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	800	0.1 - 6	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	600	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	30 / -	30 / -
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	-	22 - 10

Description	No. of pos.	Color
<b>Terminal block</b> , for mounting on NS 35...		gray
With test socket screws		gray
<b>Ground terminal</b> , for mounting on NS 35...		green-yellow
<b>Terminal block</b> , for mounting on NS 35...		gray
With M6 screws		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>OTTA 6</b>		<b>0790433</b>	50
<b>OTTA 6-P/P</b>		<b>0790404</b>	50

<b>Cover</b> , width 1.5 mm		gray
<b>Cover</b> , width 2 mm		gray
<b>Insertion bridge</b>		
	2	gray
	3	gray
	4	gray
	7	gray
	10	gray
<b>Partition plate</b> , for visual and electrical separation of terminal groups, 1.5 mm thick		gray
<b>Screwdriver</b>		
<b>Lateral groove marking</b>		

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>D-OTTA 6</b>		<b>0790417</b>	50
<b>EB 2- OTTA 6</b>	41 A	<b>0790608</b>	10
<b>EB 3-OTTA 6</b>	41 A	<b>3026036</b>	10
<b>EB 4-OTTA 6</b>	41 A	<b>3026049</b>	10
<b>EB 7-OTTA 6</b>	41 A	<b>3026052</b>	10
<b>EB 10- OTTA 6</b>	41 A	<b>0790420</b>	10
<b>ATP-OTTA 2,5</b>		<b>0790572</b>	50
<b>SZS 1,0X6,5 VDE</b>		<b>1205079</b>	10
<b>ZB 8 (see Catalog 5)</b>			

6 (6) mm<sup>2</sup>, ground terminal25 (25) mm<sup>2</sup>, 101 A, feed-through terminal block

Technical data			
Width	Length	Height NS 35/7,5	
12	43.5	52	
Width	Length	Height NS 32	
12	43.5	57	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.1 - 6	-
IEC 60947-7-2			
IEC	UL	CSA	IEC/EN 60079-7
-	-	-	-
-	30	-	-
6	-	-	-
26 - 10	-	22 - 10	-
0.1 - 6			
4 / 4.3 / 9.6			

Technical data			
Width	Length	Height NS 35/7,5	
18	60	64.5	
Width	Length	Height NS 32	
18	60	69.5	
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		0.1 - 25	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	-
101 / 25	115 / -	100 / -	-
25	-	-	-
26 - 4	-	18 - 4	-
0.1 - 25			
5 / 5.3 / 16			

0.5 - 2.5			
4 / 4.3 / 9.6			
M4			
1.5 - 1.8			
PA			
V0			

1 - 6			
5 / 5.3 / 16			
M5			
2.5 - 3			
PA			
V0			

Ordering data		
Type	Order No.	Pcs. / Pkt.
OTTA 6-PE	0790527	50

Ordering data		
Type	Order No.	Pcs. / Pkt.
OTTA 25-M5	0790488	50
OTTA 25-M6	0790491	50

Accessories		
EB 2- OTTA 6	0790608	10
EB 3-OTTA 6	3026036	10
EB 4-OTTA 6	3026049	10
EB 7-OTTA 6	3026052	10
EB 10- OTTA 6	0790420	10
SZS 1,0X6,5 VDE	1205079	10
ZB 8 (see Catalog 5)		

Accessories		
D-OTTA 25	0790514	50
ATP-OTTA 25	0790501	50
SZS 1,0X6,5 VDE	1205079	10
ZB 10 (see Catalog 5)		

## OTTA bolt connection terminal blocks

### OTTA 6-T... test disconnect terminal blocks



- Easy and clear testing in measuring transducer secondary circuits can be performed using the OTTA 6-T... test disconnect terminal blocks
- Compact design
- Switching jumpers with and without test sockets



6 (6) mm<sup>2</sup>, 36 A, test disconnect terminal block



Dimensions		[mm]	
Dimensions			
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	800	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	36 / 6	30 / -
Rated cross section	[mm <sup>2</sup> ]	6	-
Cross section range	AWG	26 - 10	-
Connection capacity, DIN 46234			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 6	
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6	
Color code		red	1.50 mm <sup>2</sup>
		blue	2.50 mm <sup>2</sup>
		yellow	6.00 mm <sup>2</sup>
Connection capacity, DIN 46237			
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 2.5	
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6	
General data			
Terminal point: thread / torque	- / [Nm]	M4 / 1.5 - 1.8	
Disconnect slide: thread / torque	- / [Nm]	M4 / 0.6 - 0.8	
Insulating material		PA	
Inflammability class according to UL 94		V0	

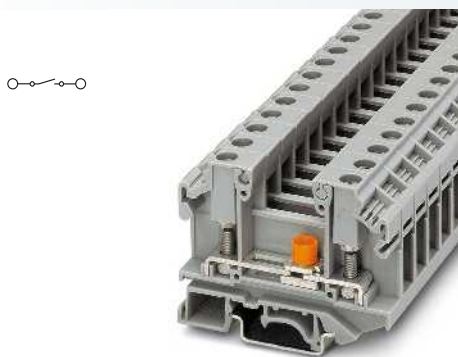
Technical data			
Width	Length	Height NS 35/7,5	
11	69	52	
Width	Length	Height NS 32	
11	69	57	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
36	800	0.1 - 6	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	-
36 / 6	30 / -	25 / -	-
6	-	-	-
26 - 10	-	22 - 10	-

Description	No. of pos.	Color
Disconnect terminal block, for mounting on NS 35...		gray
Terminal block, with test socket screws, for mounting on NS 35...		gray
Disconnect terminal block, with test socket screws, for accommodating switching jumpers, for mounting on NS 35...		gray

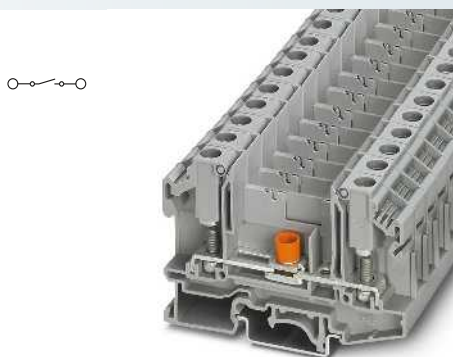
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
OTTA 6-T		0790446	50

Accessories			
Cover, width 1.5 mm		gray	
Insertion bridge			
	2	gray	
	3	gray	
	4	gray	
	7	gray	
	10	gray	
Switching jumper			
	2	silver	
Switching lock, plug-in		white	
Screwdriver			
Lateral groove marking			

Accessories			
D-OTTA 6-T		Order No.	Pcs. / Pkt.
D-OTTA 6-T		0790459	50
EB 2- OTTA 6	36 A	0790608	10
EB 3-OTTA 6	36 A	3026036	10
EB 4-OTTA 6	36 A	3026049	10
EB 7-OTTA 6	36 A	3026052	10
EB 10- OTTA 6	36 A	0790420	10
S-OTTA 6-T		0311199	50
SZS 1,0X6,5 VDE		1205079	10
ZB 10 (see Catalog 5)			



6 (6) mm<sup>2</sup>, 36 A, test disconnect terminal block, with test socket screws



6 (6) mm<sup>2</sup>, 41 A, test disconnect terminal block, with test socket screws, for accommodating switching jumpers



Technical data			
Width	Length	Height NS 35/7,5	
11	69	52	
Width	Length	Height NS 32	
11	69	57	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
36	800	0.1 - 6	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
800	600	600	-
36 / 6	30 / -	25 / -	-
6	-	-	-
26 - 10	-	22 - 10	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm <sup>2</sup>			
2.50 mm <sup>2</sup>			
6.00 mm <sup>2</sup>			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
M4 / 1.2 - 1.4			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
11	79.2	52	
Width	Length	Height NS 32	
11	79.2	57	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
41	1000	0.1 - 6	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
26 - 10	-	-	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm <sup>2</sup>			
2.50 mm <sup>2</sup>			
6.00 mm <sup>2</sup>			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
M4 / 1.2 - 1.4			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
OTTA 6-T-P/P		0790462	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
OTTA 6-T/SB-P/P		3001269	50

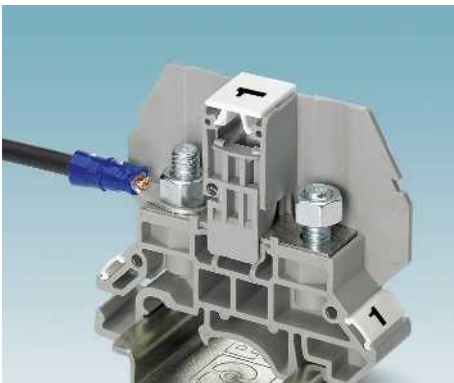
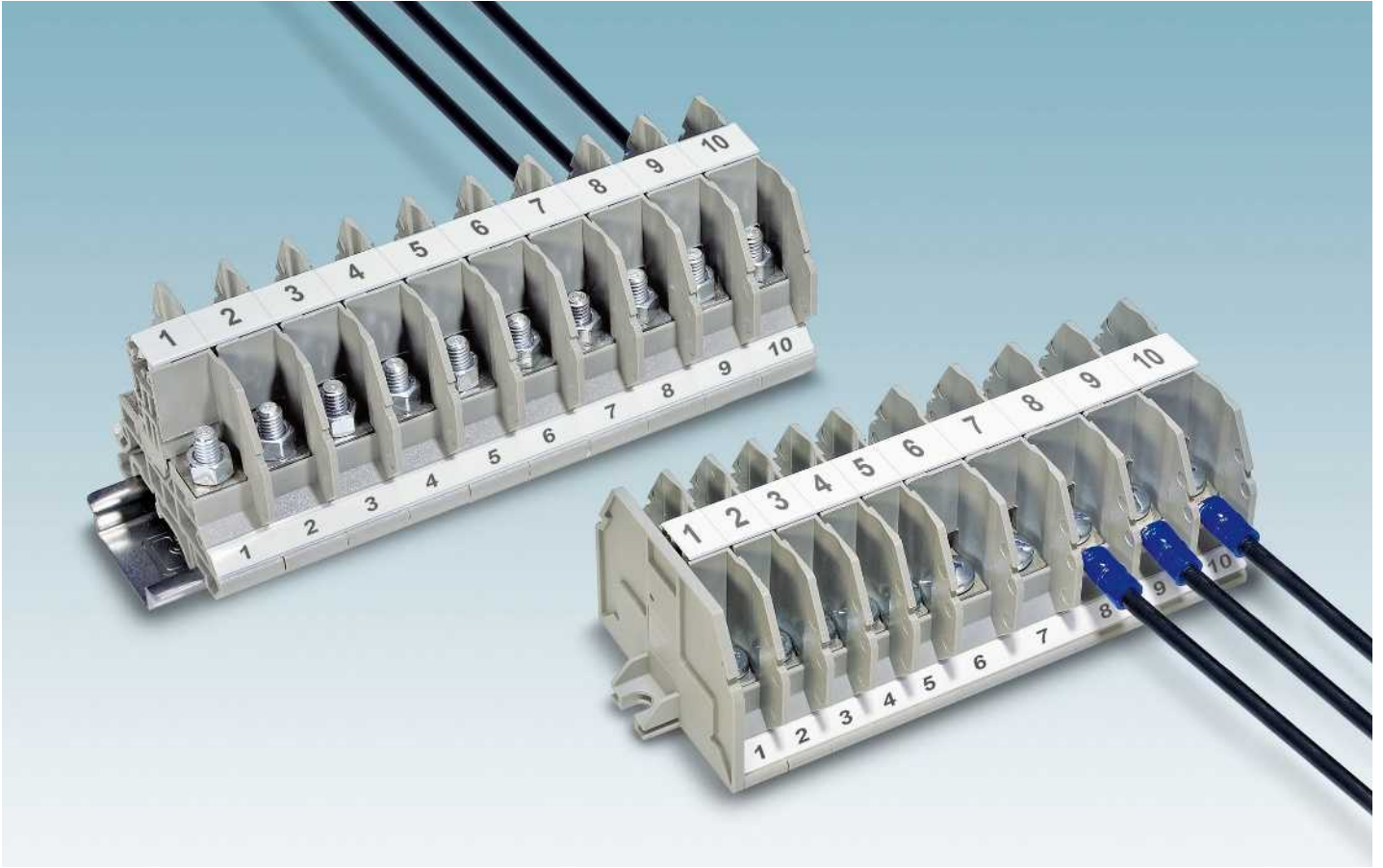
Accessories			
D-OTTA 6-T		0790459	50
EB 2- OTTA 6	36 A	0790608	10
EB 3-OTTA 6	36 A	3026036	10
EB 4-OTTA 6	36 A	3026049	10
EB 7-OTTA 6	36 A	3026052	10
EB 10- OTTA 6	36 A	0790420	10
S-OTTA 6-T		0311199	50
SZS 1,0X6,5 VDE		1205079	10
ZB 10 (see Catalog 5)			

Accessories			
D-OTTA/RBO-SB		3001355	50
EB 2- OTTA 6	36 A	0790608	10
EB 3-OTTA 6	36 A	3026036	10
EB 4-OTTA 6	36 A	3026049	10
EB 7-OTTA 6	36 A	3026052	10
EB 10- OTTA 6	36 A	0790420	10
USBR 2-11		3001356	50
SZS 1,0X6,5 VDE		1205079	10
ZB 10 (see Catalog 5)			

## Terminal blocks

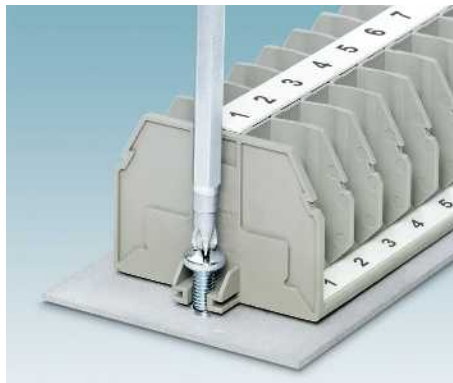
### RBO and RSC bolt connection terminal blocks

#### Bolt connection and screw terminal blocks



#### Extensive program

The RBO product range offers a suitable compact bolt connection terminal block from M5 to M16 for every conductor connection from 0.5 - 300 mm<sup>2</sup>



#### Flexible assembly

The bolt connection terminal blocks offer two mounting options:

- Can be snapped onto the conventional EN DIN rails
- Direct mounting on mounting plates



#### Modular shock protection

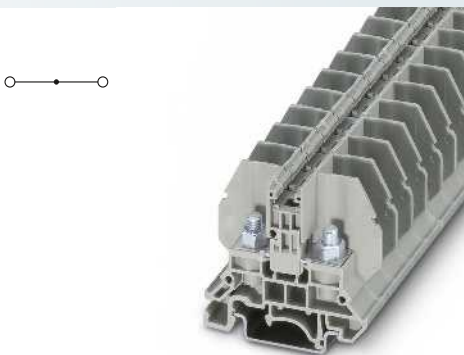
Using the extensive range of accessories, modular shock protection can be implemented easily and according to application requirements.

### RBO 5... bolt connection terminals, for M5 ring and fork-type cable lugs

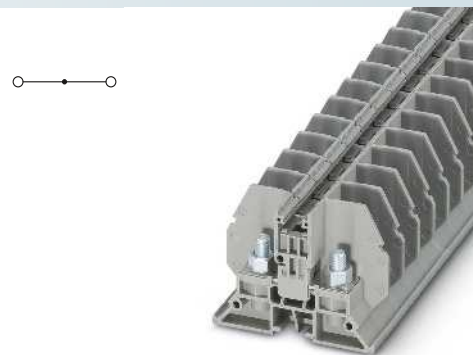
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

#### Notes:

<sup>1)</sup> 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks



10 (10) mm<sup>2</sup>, 57 A, feed-through terminal block for DIN rail mounting



10 (10) mm<sup>2</sup>, 57 A, feed-through terminal block, for direct mounting



#### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	13	53.3	47	
Dimensions	Width	Length	Height NS 32	
	13	53.3	52	
Dimensions	Width	Length	Height	
	13	53.3	-	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	57	800	0.1 - 10	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	800	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	57 / 10	45 / -	-
Rated cross section	[mm <sup>2</sup> ]	10	-	-
Cross section range	AWG	26 - 8	-	-
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 10	
	Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10	
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 6	
	Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10	
	Color code		red 1.00 mm <sup>2</sup>	
			blue 2.50 mm <sup>2</sup>	
			yellow 6.00 mm <sup>2</sup>	
General data	Bolt thread	M5		
	Tightening torque	[Nm]	2 - 2.2	
	Insulating material	PA		
	Inflammability class according to UL 94	V0		



#### Technical data

Dimensions	Width	Length	Height NS 35/7,5	
	13	53.3	-	
Dimensions	Width	Length	Height NS 32	
	13	53.3	-	
Dimensions	Width	Length	Height	
	13	53.3	37	
Max. electrical data	$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
	57	800	0.1 - 10	-
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
	IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	800	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	57 / 10	45 / -	-
Rated cross section	[mm <sup>2</sup> ]	10	-	-
Cross section range	AWG	26 - 8	-	-
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 10	
	Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10	
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 6	
	Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10	
	Color code		red 1.00 mm <sup>2</sup>	
			blue 2.50 mm <sup>2</sup>	
			yellow 6.00 mm <sup>2</sup>	
General data	Bolt thread	M5		
	Tightening torque	[Nm]	2 - 2.2	
	Insulating material	PA		
	Inflammability class according to UL 94	V0		

#### Ordering data

Description	No. of pos.	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
<b>Bolt connection terminal</b> , for mounting on NS 32... or NS 35...		gray	RBO 5		3058059	50
<b>Flange terminal block</b> , for direct mounting, including D-RSC 5-F cover flange		gray				
<b>Flange terminal block</b> , for direct mounting, including D-RSC 5-F cover flange, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

#### Ordering data

Description	No. of pos.	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
<b>Bolt connection terminal</b> , for mounting on NS 32... or NS 35...		gray	RBO 5		3058059	50
<b>Flange terminal block</b> , for direct mounting, including D-RSC 5-F cover flange		gray	RBO 5-F		3058062	50
<b>Flange terminal block</b> , for direct mounting, including D-RSC 5-F cover flange, 4-pos.		gray	RBO 5-F/4		3058237	1
Block, 6-pos.		gray	RBO 5-F/6		3058240	1
Block, 8-pos.		gray	RBO 5-F/8		3058253	1
Block, 12-pos.		gray	RBO 5-F/12		3059252	1

#### Accessories

Description	Quantity	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
<b>Cover</b> , width 2.2 mm		gray	D-RSC 5		3058020	50
<b>Cover flange</b>		gray				
<b>Fixed bridge</b> , insulated	10	silver	FB 10-13	57 A <sup>1)</sup>	3059126	10
<b>Isolator bridge bar</b> , can be separated, with 10 screws						
	10	silver	FB 10-13 ISO	24 A	3059663	10
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	TS-KK 3		2770215	50
<b>Cover profile</b> , supply length 1 m		transparent	AP RSC		3058017	10
<b>Socket wrench</b>			SHN 8		1209868	1
<b>Center groove marking</b>			ZB 13 (see Catalog 5)			
<b>Lateral groove marking</b>			ZBF 13 (see Catalog 5)			

#### Accessories

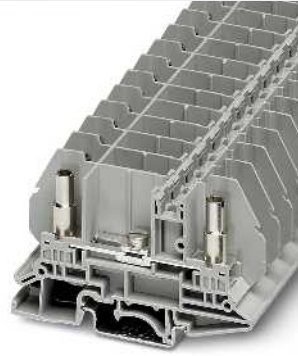
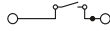
Description	Quantity	Color	Type	$I_{max}$	Order No.	Pcs. / Pkt.
<b>Cover</b> , width 2.2 mm		gray	D-RSC 5-F		3059647	50
<b>Cover flange</b>		gray				
<b>Fixed bridge</b> , insulated	10	silver	FB 10-13	57 A <sup>1)</sup>	3059126	10
<b>Isolator bridge bar</b> , can be separated, with 10 screws						
	10	silver	FB 10-13 ISO	24 A	3059663	10
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	TS-KK 3		2770215	50
<b>Cover profile</b> , supply length 1 m		transparent	AP RSC		3058017	10
<b>Socket wrench</b>			SHN 8		1209868	1
<b>Center groove marking</b>			ZB 13 (see Catalog 5)			
<b>Lateral groove marking</b>			ZBF 13 (see Catalog 5)			

# Terminal blocks

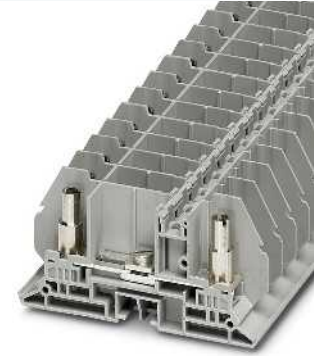
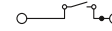
## RBO and RSC bolt connection terminal blocks

### Test disconnect terminal block with bolt connection RBO 5-T..., for M5 ring- and fork-type cable lugs

- Connection screws with 4 mm test connection
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



10 (10) mm<sup>2</sup>, 50 A, test disconnect terminal block



10 (10) mm<sup>2</sup>, 50 A, test disconnect terminal block, for direct mounting



Notes:	
1)	57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks
2)	Rated voltage for 630 V open disconnect point

Dimensions	
	[mm]
Dimensions	
	[mm]
Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Connection capacity, DIN 46234	
Cable lugs, DIN 46234	[mm <sup>2</sup> ]
Connection bolt / hole diameter / width	[mm]
Connection capacity, DIN 46237	
Cable lugs, DIN 46237	[mm <sup>2</sup> ]
Connection bolt / hole diameter / width	[mm]
Color code	
	red
	blue
	yellow
General data	
Disconnect slide: thread / torque	- / [Nm]
Bolt thread	M5
Tightening torque	[Nm]
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data				
Width	Length	Height NS 35/7,5		
13	79.9	47		
Width	Length	Height NS 32		
13	79.9	52		
Width	Length	Height		
13	79.9	-		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
50	800 <sup>2)</sup>	0.1 - 10	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	600	-	-	
Nominal current / cross section	50 / 10	45 / -	-	
Rated cross section	10	-	-	
Cross section range	26 - 8	-	-	
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 10		
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 6		
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10		
Color code		1.00 mm <sup>2</sup>		
		2.50 mm <sup>2</sup>		
		6.00 mm <sup>2</sup>		
General data				
Disconnect slide: thread / torque	- / [Nm]	M4 / 1.2 - 1.4		
Bolt thread	M5			
Tightening torque	[Nm]	2 - 2.2		
Insulating material	PA			
Inflammability class according to UL 94	V0			

Technical data				
Width	Length	Height NS 35/7,5		
13	79.9	-		
Width	Length	Height NS 32		
13	79.9	-		
Width	Length	Height		
13	79.9	39.7		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
50	800 <sup>2)</sup>	0.1 - 10	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
Rated voltage	600	-	-	
Nominal current / cross section	50 / 10	45 / -	-	
Rated cross section	10	-	-	
Cross section range	26 - 8	-	-	
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 10		
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10		
Connection capacity, DIN 46237				
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 6		
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10		
Color code		1.00 mm <sup>2</sup>		
		2.50 mm <sup>2</sup>		
		6.00 mm <sup>2</sup>		
General data				
Disconnect slide: thread / torque	- / [Nm]	M4 / 1.2 - 1.4		
Bolt thread	M5			
Tightening torque	[Nm]	2 - 2.2		
Insulating material	PA			
Inflammability class according to UL 94	V0			

Ordering data		
Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 32... or NS 35...	10	gray
Test disconnect terminal block, with flange, for direct mounting	10	gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
RBO 5-T	50	3058114	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
RBO 5-T-F	50	3058169	50

Accessories		
Description	No. of pos.	Color
Cover, width 2.2 mm	10	gray
Fixed bridge, insulated	10	silver
Isolator bridge bar, can be separated, with 10 screws	10	silver
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch	10	gray
Cover profile, supply length 1 m	10	transparent
Screwdriver	10	
Center groove marking		
Lateral groove marking		

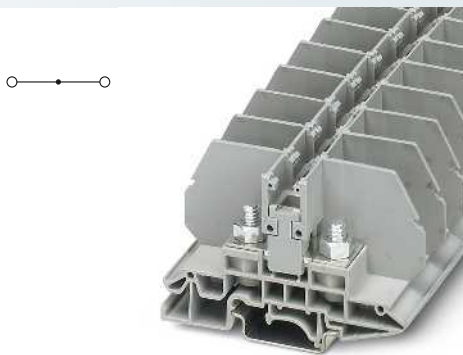
Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-RSC 5-T	50	3058046	50
FB 10-13	57 A <sup>1)</sup>	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T	10	3059139	10
SZG 0,9X6,5 VDE	10	1205134	10
ZB 13 (see Catalog 5)			
ZBF 13 (see Catalog 5)			

Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
D-RSC 5-T-F	50	3059346	50
FB 10-13	57 A <sup>1)</sup>	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T	10	3059139	10
SZG 0,9X6,5 VDE	10	1205134	10
ZB 13 (see Catalog 5)			
ZBF 13 (see Catalog 5)			

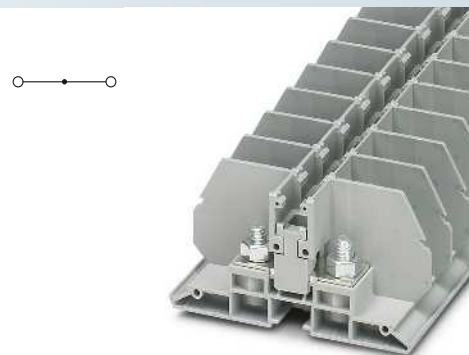


### Bolt connection terminal blocks RBO 6..., for M6 ring- and fork-type cable lugs

- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching jumper for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block for DIN rail mounting



35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block, for direct mounting



Technical data					
Dimensions	Width	Length	Height NS 35/7,5		
	17	80.8	49.8		
Dimensions	Width	Length	Height NS 32		
	17	80.8	54.8		
Dimensions	Width	Length	Height		
	17	80.8	-		
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
	125	800	2.5 - 35	-	
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7	
	IEC	UL	CSA	IEC/EN 60079-7	
	Rated voltage	[V]	800	600	600
	Nominal current / cross section	[A] / [mm <sup>2</sup> ]	125 / 35	115 / -	115
Rated cross section	[mm <sup>2</sup> ]	35	-	-	
Cross section range	AWG	12 - 2	-	12 - 2	
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	6 - 35		
	Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15		
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	2.5 - 6		
	Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11		
		blue	2.50 mm <sup>2</sup>		
		yellow	6.00 mm <sup>2</sup>		
General data	Bolt thread	M6			
	Tightening torque	[Nm]	3.2 - 3.7		
	Insulating material	PA			
	Inflammability class according to UL 94	V0			

Technical data					
Dimensions	Width	Length	Height NS 35/7,5		
	17	80.8	-		
Dimensions	Width	Length	Height NS 32		
	17	80.8	-		
Dimensions	Width	Length	Height		
	17	80.8	39.7		
Max. electrical data	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
	125	800	2.5 - 35	-	
Rated data	IEC 60947-7-1	UL	CSA	IEC/EN 60079-7	
	IEC	UL	CSA	IEC/EN 60079-7	
	Rated voltage	[V]	800	600	600
	Nominal current / cross section	[A] / [mm <sup>2</sup> ]	125 / 35	115 / -	115
Rated cross section	[mm <sup>2</sup> ]	35	-	-	
Cross section range	AWG	12 - 2	-	12 - 2	
Connection capacity, DIN 46234	Cable lugs, DIN 46234	[mm <sup>2</sup> ]	6 - 35		
	Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15		
Connection capacity, DIN 46237	Cable lugs, DIN 46237	[mm <sup>2</sup> ]	2.5 - 6		
	Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11		
		blue	2.50 mm <sup>2</sup>		
		yellow	6.00 mm <sup>2</sup>		
General data	Bolt thread	M6			
	Tightening torque	[Nm]	3.2 - 3.7		
	Insulating material	PA			
	Inflammability class according to UL 94	V0			

Ordering data				
Description	No. of pos.	Color	Type	I <sub>max.</sub>
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	RBO 6	
Flange terminal block, for direct mounting, including D-RSC 6-F cover flange		gray		
				Order No.
				3075896
				Pcs. / Pkt.
				40

Ordering data				
Description	No. of pos.	Color	Type	I <sub>max.</sub>
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	RBO 6-F	
Flange terminal block, for direct mounting, including D-RSC 6-F cover flange		gray		
				Order No.
				3075935
				Pcs. / Pkt.
				40

Accessories				
Cover, width 2.2 mm		gray	D-RSC 6	
Cover flange		gray		
Fixed bridge, insulated				
	10	silver	FB 10-17	57 A
Isolator bridge bar, can be separated, with 10 screws				
	10	silver	FB 10-17 ISO	57 A
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	TS-KK 3	
				Order No.
				3213098
				3075951
				3213085
				2770215
				3059139
				50
				10
				10
				50
				10

Accessories				
Cover, width 2.2 mm		gray	D-RSC 6-F	
Cover flange		gray		
Fixed bridge, insulated				
	10	silver	FB 10-17	57 A
Isolator bridge bar, can be separated, with 10 screws				
	10	silver	FB 10-17 ISO	57 A
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	TS-KK 3	
				Order No.
				3213108
				3075951
				3213085
				2770215
				3059139
				50
				10
				10
				50
				10

Center groove marking	ZB 17 (see Catalog 5)
Lateral groove marking	ZBF 17 (see Catalog 5)

Center groove marking	ZB 17 (see Catalog 5)
Lateral groove marking	ZBF 17 (see Catalog 5)

# Terminal blocks

## RBO and RSC bolt connection terminal blocks

### RBO bolt connection terminal blocks, open, for ring- and fork-type cable lugs



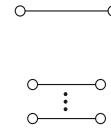
- Optional snap-on finger protection
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard with the covering hoods.
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block

### Mounting options

- Mounting either on standard DIN rails or directly in switch boxes, see figure below



<b>Notes:</b>
For corresponding test plugs, see the following page.
1) For information on installation and using accessories for Ex applications, see page 602.



70 (70) mm<sup>2</sup>, 192 A, feed-through terminal block, for DIN rail and direct mounting



SEV13ATEX0132U / IECEx SEV13.0003U

<b>Dimensions</b>			
		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	1000	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	192 / 70	175 / -
Rated cross section	[mm <sup>2</sup> ]	70	-
Cross section range	AWG	8 - 2/0	-
<b>Connection capacity, DIN 46234</b>			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	2.5 - 70	
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22	
<b>Connection capacity, DIN 46235</b>			
Cable lugs, DIN 46235	[mm <sup>2</sup> ]	16 - 70	
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24	
<b>Connection capacity, DIN 46237</b>			
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	2.5 - 6	
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14	
	blue	2.50 mm <sup>2</sup>	
	yellow	6.00 mm <sup>2</sup>	
<b>General data</b>			
Bolt thread		M8	
Tightening torque	[Nm]	6 - 12	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/15	
29	136	74.5	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
192	1000	6 - 70	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
			690
			187 / 70
			2.5 - 70
			8 - 2/0

Description	No. of pos.	Color
<b>Bolt connection terminal block</b> , for direct mounting or mounting on NS 35/15		gray
		blue
		black/yellow
Block, 3-pos., (3 x gray)		gray
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue
Block, 4-pos., (3 x gray, 1 x black-yellow)		gray/black-yellow
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/black-yellow

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>RBO 8</b>		<b>3213137</b>	10
<b>RBO 8 BU</b>		<b>3213136</b>	5
<b>RBO 8-FE</b>		<b>3213139</b>	5
<b>RBO 8-3L</b>		<b>3076206</b>	2
<b>RBO 8-3L/N</b>		<b>3076248</b>	2
<b>RBO 8-3L/FE</b>		<b>3076124</b>	2
<b>RBO 8-3L/N/FE</b>		<b>3076280</b>	2

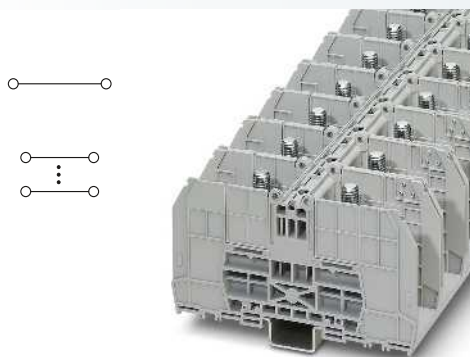
<b>Connection rail</b> , for cross connection of high-current connectors	2	silver
	3	silver
<b>Covering hood</b> , as retrofit snap-on shock protection for cable lug connection		gray
		blue
		black/yellow
<b>End bracket</b> , aluminum, for screwing on, for end support of 50 - 300 mm <sup>2</sup> terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver
<b>Terminal strip marker</b> , adjustable height, for CLIPFIX ... end clamp, can be marked with EML (20x8) label or directly with B-STIFT or X-PEN		gray

Accessories <sup>1)</sup>			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>RBO 8-VS 2</b>	192 A	<b>3213179</b>	10
<b>RBO 8-VS 3</b>	192 A	<b>3213182</b>	10
<b>HC-RBO 8</b>		<b>3247967</b>	10
<b>HC-RBO 8 BU</b>		<b>3247969</b>	10
<b>HC-RBO 8-FE</b>		<b>3247968</b>	10
<b>E/AL-NS 35</b>		<b>1201662</b>	10

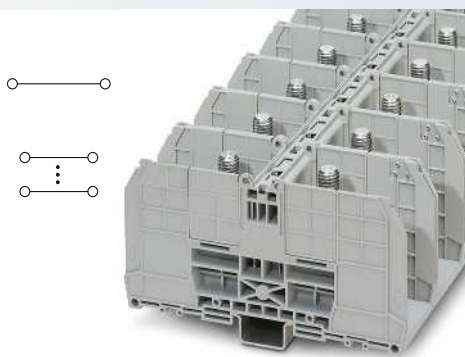
<b>Center groove marking</b>
------------------------------

<b>UC-TM 12, UCT-TM 12 or ZB 12</b> (see Catalog 5)
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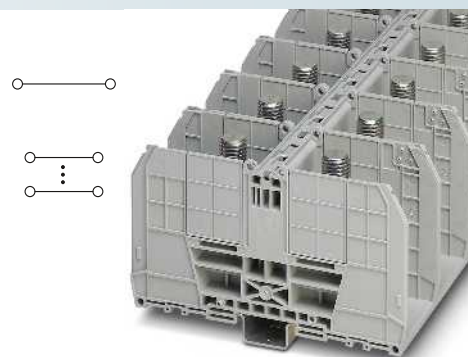
## RBO and RSC bolt connection terminal blocks



**150 (150) mm<sup>2</sup>, 309 A, feed-through terminal block, for DIN rail and direct mounting**



**240 (240) mm<sup>2</sup>, 415 A, feed-through terminal block, for DIN rail and direct mounting**



**300 (300) mm<sup>2</sup>, 520 A, feed-through terminal block, for DIN rail and direct mounting**



Ex:   
SEV13ATEX0132U / IECEx SEV13.0003U



Ex:   
SEV13ATEX0132U / IECEx SEV13.0003U



Ex:   
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data			
Width	Length	Height NS 35/15	
<b>41</b>	<b>144</b>	<b>84.5</b>	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>309</b>	<b>1000</b>	<b>6 - 150</b>	<b>10 - 350</b>
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1000	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6 - 150
10 - 300	10 - 350	10 - 350	10 - 300
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm <sup>2</sup>			
M10			
10 - 20			
PA			
V0			

Technical data			
Width	Length	Height NS 35/15	
<b>49</b>	<b>164</b>	<b>90.8</b>	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>415</b>	<b>1000</b>	<b>10 - 240</b>	<b>8 - 600</b>
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1000	600	1000	1100
415 / 240	420 / -	420 / -	415 / 240
240	-	-	10 - 240
8 - 500	8 - 600	8 - 600	8 - 500
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

Technical data			
Width	Length	Height NS 35/15	
<b>54.8</b>	<b>164</b>	<b>99.3</b>	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>520</b>	<b>1000</b>	<b>25 - 300</b>	<b>4 - 1000</b>
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1000	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25 - 300
4 - 600	4 - 1000	4 - 1000	4 - 600
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 10		<a href="#">3244614</a>	5
RBO 10 BU		<a href="#">3244616</a>	5
RBO 10-FE		<a href="#">3244615</a>	5
RBO 10-3L		<a href="#">3076219</a>	2
RBO 10-3L/N		<a href="#">3076251</a>	2
RBO 10-3L-FE		<a href="#">3076137</a>	2
RBO 10-3L/N-FE		<a href="#">3076293</a>	2

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 12		<a href="#">3244627</a>	5
RBO 12 BU		<a href="#">3244629</a>	5
RBO 12-FE		<a href="#">3244628</a>	5
RBO 12-3L		<a href="#">3076222</a>	1
RBO 12-3L/N		<a href="#">3076264</a>	1
RBO 12-3L-FE		<a href="#">3076140</a>	1
RBO 12-3L/N-FE		<a href="#">3076303</a>	1

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 16		<a href="#">3244630</a>	5
RBO 16 BU		<a href="#">3244632</a>	5
RBO 16-FE		<a href="#">3244631</a>	5
RBO 16-3L		<a href="#">3076235</a>	1
RBO 16-3L/N		<a href="#">3076277</a>	1
RBO 16-3L-FE		<a href="#">3076153</a>	1
RBO 16-3L/N-FE		<a href="#">3076316</a>	1

Accessories <sup>1)</sup>			
Type		Order No.	Pcs. / Pkt.
RBO 10-VS 2	309 A	<a href="#">3244643</a>	10
RBO 10-VS 3	309 A	<a href="#">3244656</a>	10
HC-RBO 10		<a href="#">3247970</a>	6
HC-RBO 10 BU		<a href="#">3247972</a>	6
HC-RBO 10-FE		<a href="#">3247971</a>	6
E/AL-NS 35		<a href="#">1201662</a>	10
KLM 3-L		<a href="#">0814788</a>	100

Accessories <sup>1)</sup>			
Type		Order No.	Pcs. / Pkt.
RBO 12-VS 2	415 A	<a href="#">3244669</a>	10
RBO 12-VS 3	415 A	<a href="#">3244672</a>	10
HC-RBO 12		<a href="#">3247983</a>	6
HC-RBO 12 BU		<a href="#">3247985</a>	6
HC-RBO 12-FE		<a href="#">3247984</a>	6
E/AL-NS 35		<a href="#">1201662</a>	10
KLM 3-L		<a href="#">0814788</a>	100

Accessories <sup>1)</sup>			
Type		Order No.	Pcs. / Pkt.
RBO 16-VS 2	520 A	<a href="#">3244685</a>	10
RBO 16-VS 3	520 A	<a href="#">3244698</a>	10
HC-RBO 16		<a href="#">3247996</a>	6
HC-RBO 16 BU		<a href="#">3247998</a>	6
HC-RBO 16-FE		<a href="#">3247997</a>	6
E/AL-NS 35		<a href="#">1201662</a>	10
KLM 3-L		<a href="#">0814788</a>	100

UC-TM 12, UCT-TM 12 or ZB 12  
(see Catalog 5)

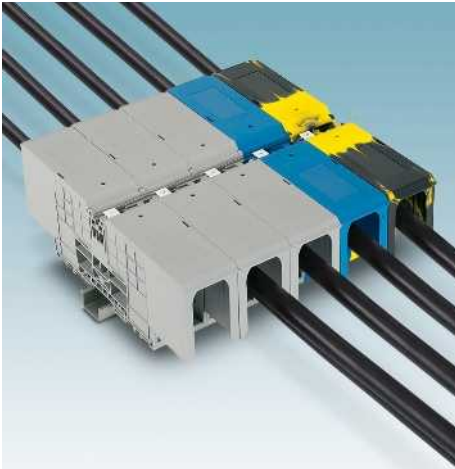
UC-TM 12, UCT-TM 12 or ZB 12  
(see Catalog 5)

UC-TM 12, UCT-TM 12 or ZB 12  
(see Catalog 5)

# Terminal blocks

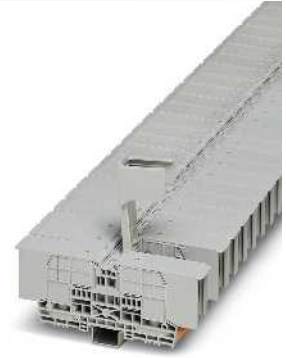
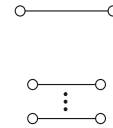
## RBO and RSC bolt connection terminal blocks

### RBO bolt connection terminal blocks with covering hoods, for ring- and fork-type cable lugs



- With protective covers
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard.
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block
- The covering hoods can be custom-marked using the following labels:  
[0817028 EML \(51X25\)R](#)  
[0817031 EML \(51X25\)R YE](#)  
[0817002 EML \(51X25\)R SR](#)

Notes:
1) For information on installation and using accessories for Ex applications, see page 602.
2) Cable lug must be insulated with shrink sleeve.



70 (70) mm<sup>2</sup>, 192 A, feed-through terminal block, for DIN rail and direct mounting

ERC  
 Ex:   
 SEV13ATEX0132U / IECEx SEV13.0003U

Dimensions		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	1500 <sup>2)</sup>	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	192 / 70	175 / -
Rated cross section	[mm <sup>2</sup> ]	70	-
Cross section range	AWG	8 - 2/0	-
<b>Connection capacity, DIN 46234</b>			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	2.5 - 70	
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22	
<b>Connection capacity, DIN 46235</b>			
Cable lugs, DIN 46235	[mm <sup>2</sup> ]	16 - 70	
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24	
<b>Connection capacity, DIN 46237</b>			
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	2.5 - 6	
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14	
	blue	2.50 mm <sup>2</sup>	
	yellow	6.00 mm <sup>2</sup>	
<b>General data</b>			
Bolt thread		M8	
Tightening torque	[Nm]	6 - 12	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data				
Width	Length	Height NS 35/15		
29	184	74.5		
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
192	1500 <sup>2)</sup>	6 - 70	-	
IEC 60947-7-1				
IEC	UL	CSA	IEC/EN 60079-7	
			Ex	

Description	No. of pos.	Color
<b>Bolt connection terminal blocks, with covering hood, for direct mounting or mounting on NS 35/15</b>		gray
		blue
		black/yellow
Block, 3-pos., (3 x gray)		gray
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue
Block, 4-pos., (3 x gray, 1 x black-yellow)		gray/black-yellow
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/black-yellow

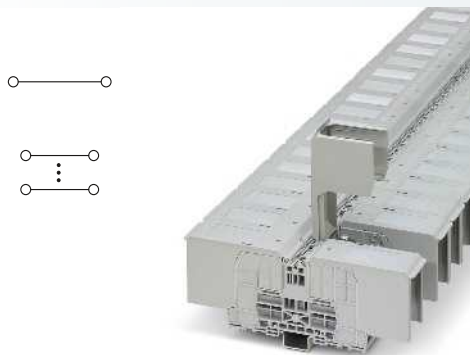
Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>RBO 8-HC</b>		<a href="#">3247973</a>	5
<b>RBO 8-HC BU</b>		<a href="#">3247974</a>	5
<b>RBO 8-FE-HC</b>		<a href="#">3247975</a>	5
<b>RBO 8-3L-HC</b>		<a href="#">3076044</a>	2
<b>RBO 8-3L/N-HC</b>		<a href="#">3076086</a>	2
<b>RBO 8-3L/FE-HC</b>		<a href="#">3076125</a>	2
<b>RBO 8-3L/N/FE-HC</b>		<a href="#">3076167</a>	2



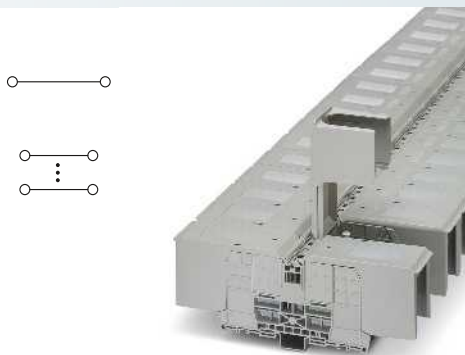
<b>Connection rail, for cross connection of high-current connectors</b>	2	silver
	3	silver
<b>End bracket, aluminum, for screwing on, for end support of 50 - 300 mm<sup>2</sup> terminal blocks, can be marked with ZB 10, for mounting on NS 35...</b>		silver
<b>Terminal strip marker, adjustable height, for CLIPFIX ... end clamp, can be marked with EML (20x8) label or directly with B-STIFT or X-PEN</b>		gray
<b>Test plug, consisting of: metal part for 4 mm Ø socket hole</b> And		
<b>Insulating sleeve for PS metal part</b>		red
<b>Center groove marking</b>		

Accessories <sup>1)</sup>			
<b>RBO 8-VS 2</b>	192 A	<a href="#">3213179</a>	10
<b>RBO 8-VS 3</b>	192 A	<a href="#">3213182</a>	10
<b>E/AL-NS 35</b>		<a href="#">1201662</a>	10
<b>UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)</b>			

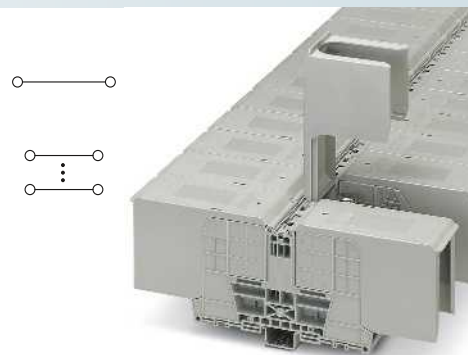
## RBO and RSC bolt connection terminal blocks



**150 (150) mm<sup>2</sup>, 309 A, feed-through terminal block, for DIN rail and direct mounting**



**240 (240) mm<sup>2</sup>, 415 A, feed-through terminal block, for DIN rail and direct mounting**



**300 (300) mm<sup>2</sup>, 520 A, feed-through terminal block, for DIN rail and direct mounting**



Ex: SEV13ATEX0132U / IECEx SEV13.0003U



Ex: SEV13ATEX0132U / IECEx SEV13.0003U



Ex: SEV13ATEX0132U / IECEx SEV13.0003U

Technical data			
Width	Length	Height NS 35/15	
<b>41</b>	<b>235</b>	<b>84.5</b>	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>309</b>	<b>1500<sup>2)</sup></b>	<b>6 - 150</b>	<b>10 - 350</b>
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1500 <sup>2)</sup>	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6 - 150
10 - 300	10 - 350	10 - 350	10 - 300
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm <sup>2</sup>			
M10			
10 - 20			
PA			
V0			

Technical data			
Width	Length	Height NS 35/15	
<b>49</b>	<b>265</b>	<b>90.8</b>	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>415</b>	<b>1500<sup>2)</sup></b>	<b>10 - 240</b>	<b>8 - 600</b>
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1500 <sup>2)</sup>	600	1000	1100
415 / 240	420 / -	420 / -	415 / 240
240	-	-	10 - 240
8 - 500	8 - 600	8 - 600	8 - 500
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

Technical data			
Width	Length	Height NS 35/15	
<b>54.8</b>	<b>283.5</b>	<b>99.3</b>	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>520</b>	<b>1500<sup>2)</sup></b>	<b>25 - 300</b>	<b>4 - 1000</b>
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
1500 <sup>2)</sup>	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25-300
4 - 600	4 - 1000	4 - 1000	4 - 600
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 10-HC		<a href="#">3247976</a>	5
RBO 10-HC BU		<a href="#">3247977</a>	5
RBO 10-FE-HC		<a href="#">3247978</a>	5
RBO 10-3L-HC		<a href="#">3076057</a>	2
RBO 10-3L/N-HC		<a href="#">3076099</a>	2
RBO 10-3L/FE-HC		<a href="#">3076138</a>	2
RBO 10-3L/N/FE-HC		<a href="#">3076170</a>	2

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 12-HC		<a href="#">3247986</a>	5
RBO 12-HC BU		<a href="#">3247987</a>	5
RBO 12-FE-HC		<a href="#">3247988</a>	5
RBO 12-3L-HC		<a href="#">3076060</a>	1
RBO 12-3L/N-HC		<a href="#">3076109</a>	1
RBO 12-3L/FE-HC		<a href="#">3076141</a>	1
RBO 12-3L/N/FE-HC		<a href="#">3076183</a>	1

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 16-HC		<a href="#">3247989</a>	5
RBO 16-HC BU		<a href="#">3247990</a>	5
RBO 16-FE-HC		<a href="#">3247991</a>	5
RBO 16-3L-HC		<a href="#">3076073</a>	1
RBO 16-3L/N-HC		<a href="#">3076112</a>	1
RBO 16-3L/FE-HC		<a href="#">3076154</a>	1
RBO 16-3L/N/FE-HC		<a href="#">3076196</a>	1

Accessories <sup>1)</sup>			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 10-VS 2	309 A	<a href="#">3244643</a>	10
RBO 10-VS 3	309 A	<a href="#">3244656</a>	10
E/AL-NS 35		<a href="#">1201662</a>	10
KLM 3-L		<a href="#">0814788</a>	100
PS-MT		<a href="#">0311647</a>	10
PS-IH RD		<a href="#">0311579</a>	10

Accessories <sup>1)</sup>			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 12-VS 2	415 A	<a href="#">3244669</a>	10
RBO 12-VS 3	415 A	<a href="#">3244672</a>	10
E/AL-NS 35		<a href="#">1201662</a>	10
KLM 3-L		<a href="#">0814788</a>	100
PS-MT		<a href="#">0311647</a>	10
PS-IH RD		<a href="#">0311579</a>	10

Accessories <sup>1)</sup>			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RBO 16-VS 2	520 A	<a href="#">3244685</a>	10
RBO 16-VS 3	520 A	<a href="#">3244698</a>	10
E/AL-NS 35		<a href="#">1201662</a>	10
KLM 3-L		<a href="#">0814788</a>	100
PS-MT		<a href="#">0311647</a>	10
PS-IH RD		<a href="#">0311579</a>	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

# Terminal blocks

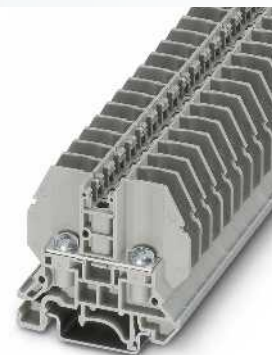
## RBO and RSC bolt connection terminal blocks

### RSC ... screw terminal blocks, for M4 and M5 ring and fork-type cable lugs



- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Mounting on standard DIN rails or directly in control boxes
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center marking
- Screw nuts and current bars are latched in the insulating housing and cannot be removed

Notes:
1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks
2) Rated voltage for 630 V open disconnect point



4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block



Dimensions		[mm]	
Dimensions			
Dimensions			
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	800	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	32 / 4	30 / -
Rated cross section	[mm <sup>2</sup> ]	4	-
Cross section range	AWG	26 - 10	-
Connection capacity, DIN 46234			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 6	
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8	
Connection capacity, DIN 46237			
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	0.5 - 2.5	
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8	
Color code		red	1.00 mm <sup>2</sup>
		blue	2.50 mm <sup>2</sup>
		yellow	
General data			
Bolt thread		M4	
Tightening torque	[Nm]	1.2 - 1.4	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
9	53.3	47.1	
Width	Length	Height NS 32	
9	53.3	52.1	
Width	Length	Height	
9	53.3	-	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800	0.1 - 6	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7

Description	No. of pos.	Color
<b>Bolt connection terminal</b> , for mounting on NS 32... or NS 35...		gray
<b>Bolt connection/flange terminal block</b> , for direct mounting		gray
Block, 4-pos.		gray
Block, 6-pos.		gray
Block, 8-pos.		gray
Block, 12-pos.		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>RSC 4</b>		<b>3058127</b>	50

<b>Cover</b> , width 2.2 mm		gray
<b>Fixed bridge</b> , insulated		silver
<b>Isolator bridge bar</b> , can be separated, with 10 screws	10	silver
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch	10	gray
<b>Cover profile</b> , supply length 1 m		transparent
<b>Screwdriver</b>		

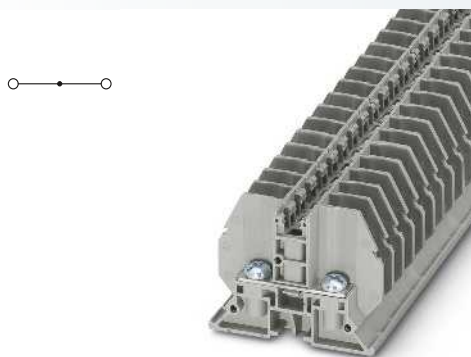
Accessories			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
<b>D-RSC 5</b>		<b>3058020</b>	50
<b>FB 10-9</b>	32 A	<b>3059113</b>	10
<b>FB 10-9 ISO</b>	24 A	<b>3059650</b>	10
<b>TS-KK 3</b>		<b>2770215</b>	50
<b>AP RSC</b>		<b>3058017</b>	10
<b>SZS 1,0X6,5 VDE</b>		<b>1205079</b>	10
<b>SZK PH2 VDE</b>		<b>1205163</b>	10



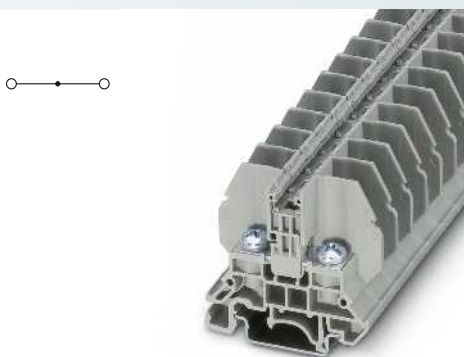
<b>Center groove marking</b>	
<b>Lateral groove marking</b>	

<b>ZB 9</b> (see Catalog 5)
<b>ZBF 9</b> (see Catalog 5)

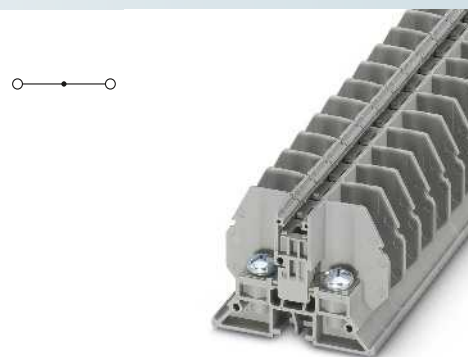
## RBO and RSC bolt connection terminal blocks



4 (6) mm<sup>2</sup>, 32 A, feed-through terminal block, for direct mounting



10 (10) mm<sup>2</sup>, 57 A, feed-through terminal block, for direct mounting



10 (10) mm<sup>2</sup>, 57 A, feed-through terminal block, for direct mounting



Technical data			
Width	Length	Height NS 35/7,5	
9	53.3	-	
Width	Length	Height NS 32	
9	53.3	-	
Width	Length	Height	
9	53.3	37	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
32	800 <sup>2</sup>	0.1 - 6	-
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
800 <sup>2</sup>	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
26 - 10	-	-	-
0.1 - 6	4 / 4.3 / 8		
0.5 - 2.5	4 / 4.3 / 8		
1.00 mm <sup>2</sup>	2.50 mm <sup>2</sup>		
M4	1.2 - 1.4		
PA	V0		

Technical data			
Width	Length	Height NS 35/7,5	
13	53.3	47.1	
Width	Length	Height NS 32	
13	53.3	52.1	
Width	Length	Height	
13	53.3	-	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	800	0.1 - 10	-
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10	5 / 5.3 / 10		
0.5 - 6	5 / 5.3 / 10		
1.00 mm <sup>2</sup>	2.50 mm <sup>2</sup>		
6.00 mm <sup>2</sup>			
M5	2 - 2.2		
PA	V0		

Technical data			
Width	Length	Height NS 35/7,5	
13	53.3	-	
Width	Length	Height NS 32	
13	53.3	-	
Width	Length	Height	
13	53.3	37	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
57	800	0.1 - 10	-
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10	5 / 5.3 / 10		
0.5 - 6	5 / 5.3 / 10		
1.00 mm <sup>2</sup>	2.50 mm <sup>2</sup>		
6.00 mm <sup>2</sup>			
M5	2 - 2.2		
PA	V0		

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
RSC 4-F		3058130	50
RSC 4-F/4		3059171	1
RSC 4-F/6		3059184	1
RSC 4-F/8		3059197	1
RSC 4-F/12		3059207	1

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
RSC 5		3058143	50

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
RSC 5-F		3058156	50
RSC 5-F/4		3059210	1
RSC 5-F/6		3059223	1
RSC 5-F/8		3059236	1
RSC 5-F/12		3059249	1

Accessories			
D-RSC 5-F		3059647	50
FB 10-9	32 A	3059113	10
FB 10-9 ISO	24 A	3059650	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SZS 1,0X6,5 VDE		1205079	10
SZK PH2 VDE		1205163	10

Accessories			
D-RSC 5		3058020	50
FB 10-13	57 A <sup>1)</sup>	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SZS 1,0X6,5 VDE		1205079	10
SZK PH2 VDE		1205163	10

Accessories			
D-RSC 5-F		3059647	50
FB 10-13	57 A <sup>1)</sup>	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SZS 1,0X6,5 VDE		1205079	10
SZK PH2 VDE		1205163	10

ZB 9 (see Catalog 5)  
ZBF 9 (see Catalog 5)

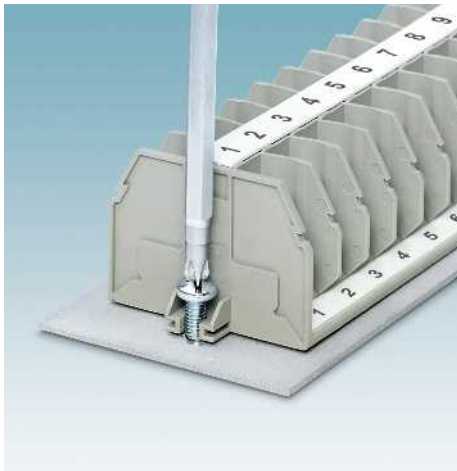
ZB 13 (see Catalog 5)  
ZBF 13 (see Catalog 5)

ZB 13 (see Catalog 5)  
ZBF 13 (see Catalog 5)

# Terminal blocks

## RBO and RSC bolt connection terminal blocks

### RSC 6 ..., M6 screw terminal blocks and RSC 5-T..., M5 test disconnect terminal blocks



- Flange terminal blocks for direct mounting in control boxes
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center marking
- Screw nuts and current bars are latched in the insulating housing and cannot be removed
- Easy grouping of flange terminal blocks, see figure below



Notes:
1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks
2) Rated voltage for 630 V open disconnect point



35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block



Dimensions		[mm]	
Dimensions			
Dimensions			
Dimensions			
Max. electrical data			
Rated data			
Rated voltage	[V]	800	600
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	125 / 35	115 / -
Rated cross section	[mm <sup>2</sup> ]	35	-
Cross section range	AWG	12 - 2	-
Connection capacity, DIN 46234			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	6 - 35	
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15	
Connection capacity, DIN 46237			
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	2.5 - 6	
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11	
Color code		red	
		blue	2.50 mm <sup>2</sup>
		yellow	6.00 mm <sup>2</sup>
General data			
Disconnect slide: thread / torque	- / [Nm]	- / -	
Bolt thread		M6	
Tightening torque	[Nm]	3.2 - 3.7	
Insulating material		PA	
Inflammability class according to UL 94		V0	

Technical data			
Width	Length	Height NS 35/7,5	
17	80.8	49.8	
Width	Length	Height NS 32	
17	80.8	54.8	
Width	Length	Height	
17	80.8	-	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	800	2.5 - 35	-
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
IEC	UL	CSA	IEC/EN 60079-7
Rated voltage	[V]	600	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	115 / -	-
Rated cross section	[mm <sup>2</sup> ]	-	-
Cross section range	AWG	-	-
		12 - 2	-

Description	No. of pos.	Color
<b>Bolt connection terminal</b> , for mounting on NS 32... or NS 35...		gray
<b>Bolt connection/flange terminal block</b> , for direct mounting		gray
<b>Test disconnect terminal block</b> , for mounting on NS 35 and NS 32		gray
<b>Test disconnect terminal block</b> , with flange, for direct mounting		gray

Ordering data			
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
RSC 6		3075870	40

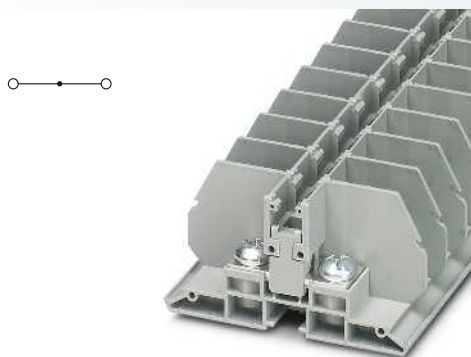
<b>Cover</b> , width 2.2 mm	gray		
<b>Fixed bridge</b> , insulated			
	10	silver	
<b>Isolator bridge bar</b> , can be separated, with 10 screws			
	10	silver	
<b>Separating disk</b> , for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	
<b>Cover profile</b> , supply length 1 m		transparent	
<b>Screwdriver</b>			

Accessories			
D-RSC 6		Order No.	Pcs. / Pkt.
		3213098	50
<b>FB 10-17</b>	57 A	3075951	10
<b>FB 10-17 ISO</b>	57 A	3213085	10
<b>TS-KK 3</b>		2770215	50
<b>AP RSC-T</b>		3059139	10

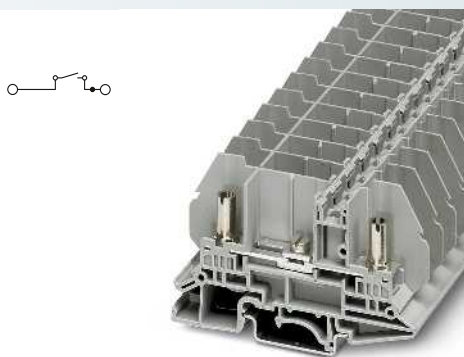
<b>Center groove marking</b>	ZB 17 (see Catalog 5)
<b>Lateral groove marking</b>	ZBF 17 (see Catalog 5)



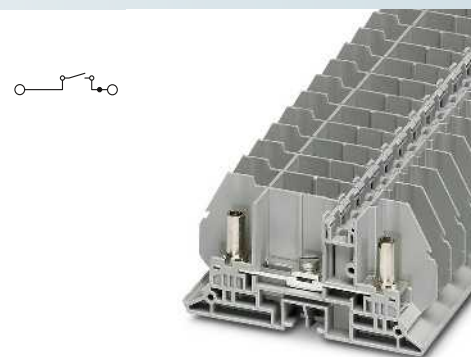
## RBO and RSC bolt connection terminal blocks



35 (35) mm<sup>2</sup>, 125 A, feed-through terminal block, for direct mounting



10 (10) mm<sup>2</sup>, 50 A, test disconnect terminal block



10 (10) mm<sup>2</sup>, 50 A, test disconnect terminal block



Technical data			
Width	Length	Height NS 35/7,5	
17	80.8	-	
Width	Length	Height NS 32	
17	80.8	-	
Width	Length	Height	
17	80.8	39.7	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	800	2.5 - 35	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800	600	600	-
125 / 35	115 / -	115	-
35	-	-	-
12 - 2	-	12 - 2	-
6 - 35			
6 / 6.5 / 15			
2.5 - 6			
6 / 6.5 / 11			
2.50 mm <sup>2</sup>			
6.00 mm <sup>2</sup>			
- / -			
M6			
3.2 - 3.7			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
13	79.9	49.8	
Width	Length	Height NS 32	
13	79.9	54.8	
Width	Length	Height	
13	79.9	-	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
50	800 <sup>2)</sup>	0.1 - 10	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800 <sup>2)</sup>	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm <sup>2</sup>			
2.50 mm <sup>2</sup>			
6.00 mm <sup>2</sup>			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
13	79.9	-	
Width	Length	Height NS 32	
13	79.9	-	
Width	Length	Height	
13	79.9	39.7	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
50	800 <sup>2)</sup>	0.1 - 10	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
800 <sup>2)</sup>	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm <sup>2</sup>			
2.50 mm <sup>2</sup>			
6.00 mm <sup>2</sup>			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RSC 6-F		3075919	40

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RSC 5-T		3058172	50

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
RSC 5-T-F		3058334	50

Accessories			
D-RSC 6-F		3213108	50
FB 10-17	57 A	3075951	10
FB 10-17 ISO	57 A	3213085	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10

Accessories			
D-RSC 5-T		3058046	50
FB 10-13	57 A <sup>1)</sup>	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
SZG 0,9X6,5 VDE		1205134	10

Accessories			
D-RSC 5-T-F		3059346	50
FB 10-13	57 A <sup>1)</sup>	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
SZG 0,9X6,5 VDE		1205134	10

ZB 17 (see Catalog 5)
ZBF 17 (see Catalog 5)

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

ZB 13 (see Catalog 5)
ZBF 13 (see Catalog 5)

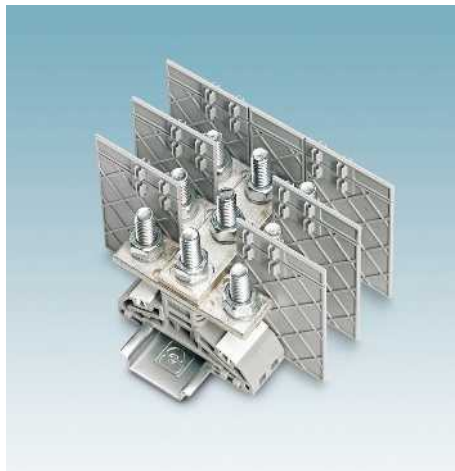
# Terminal blocks

## RBO and RSC bolt connection terminal blocks

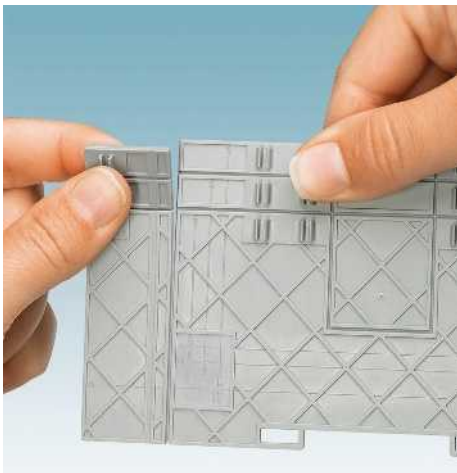
### HV ... high-current connector



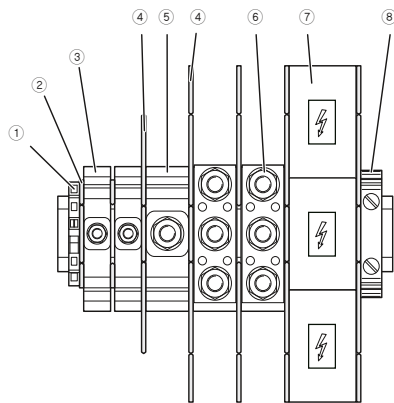
- Secure connection of up to 4 conductors with cable lugs according to DIN 46234, 46235 and 46237 in very tight spaces
- Spring washers are used to prevent hexagonal nuts from loosening
- Extensive range of accessories for safe and comfortable wiring of conductors up to 120 mm<sup>2</sup>



- Two and three-pos. connection rails are available for potential distribution
- The feed-through window provided in the partition plates can be easily removed for mounting the connection rails



- Two different partition plates can be used for the family of single and twin bolt terminal blocks
- Marking the partition plates allows their height and length to be adapted at the respective bolt terminal blocks

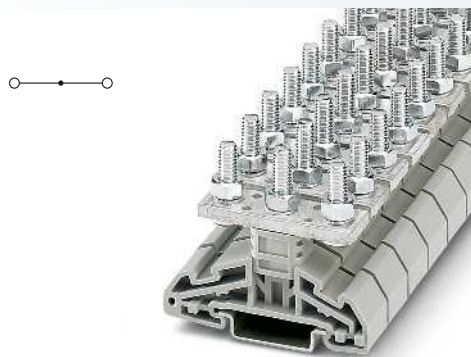


- ① CLIPFIX 35-5 end bracket
- ② HV M12/1-TP partition plate
- ③ HV M5/1 or HV M6/1 high-current connectors
- ④ HV M12/2-TP partition plate
- ⑤ HV M8/1, HV M10/1 or HV M12/1 high-current connectors
- ⑥ HV M6/2, HV M8/2 or HV M10/2 high-current connectors
- ⑦ HV M10/1-AP cover
- ⑧ E/AL-NS 35 end bracket

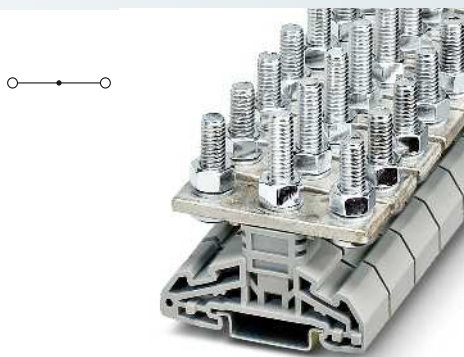
Dimensions		
		[mm]
Max. electrical data		
Rated data		
Rated voltage		[V]
Nominal current / cross section		[A] / [mm <sup>2</sup> ]
Rated cross section		[mm <sup>2</sup> ]
Cross section range		AWG
Connection capacity, bolt connection		
Cable lugs, DIN 46234		[mm <sup>2</sup> ]
Cable lugs, DIN 46235		[mm <sup>2</sup> ]
Cable lugs, DIN 46237		[mm <sup>2</sup> ]
General data		
Bolt length		[mm]
Screw thread		
Tightening torque		[Nm]
Insulating material		
Inflammability class according to UL 94		

Description	No. of pos.	Color
<b>High-current connectors</b> , for mounting on NS 35...		gray
<b>Connection rail</b> , for cross connection of high-current connectors		
	2	silver
	3	silver
<b>Reducing bridge</b> , for connecting HV M8/1 to HV M6/1		
	2	silver
<b>Reducing bridge</b> , for connecting HV M10/1 to HV M6/1		
	3	silver
<b>Separating plate</b>		gray
<b>Cover</b>		gray
<b>Adhesive warning plate</b> , self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow
<b>Adhesive warning plate</b> , self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow
<b>End bracket</b> , for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray
<b>End bracket</b> , aluminum, for screwing on, for end support of 50 - 300 mm <sup>2</sup> terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver
<b>Lateral groove marking</b>		

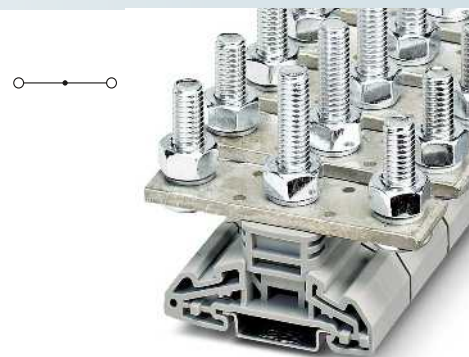
## RBO and RSC bolt connection terminal blocks



35 (35) mm<sup>2</sup>, 125 A, M6 bolt terminal block



50 (50) mm<sup>2</sup>, 150 A, M8 bolt terminal block



120 (120) mm<sup>2</sup>, 269 A, M10 bolt terminal block

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Technical data			
Width	Length	Height NS 35/7,5	
16	67	58	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	1000	2.5 - 35	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
125 / 35	-	120 / -	-
35	-	-	-
14 - 2	-	-4	-
2.5 - 35			
6 - 35			
2.5 - 6			
16			
M6			
3 - 6			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
21	67	66	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
150	1000	2.5 - 50	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	130 / -	-
50	-	-	-
14 - 1/0	-	-3	-
2.5 - 50			
6 - 35			
- 10			
21			
M8			
6 - 12			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
32	67	76	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
269	1000	6 - 120	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	225 / -	-
120	-	-	-
10 - 250 kcmil	-	-00	-
6 - 120			
10 - 95			
- 6			
26			
M10			
10 - 20			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M6/2		3049547	25

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M8/2		3049550	25

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M10/2		3049563	10

Accessories			
HV M6/1-VS 2	125 A	3049262	10
HV M6/1-VS 3	125 A	3049275	10
HV M12/2-TP		3049709	25
HV M6/1-AP		3049903	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

Accessories			
HV M8/1-VS 2	150 A	3049369	10
HV M8/1-VS 3	150 A	3049372	10
HV M8/1 M6/1-STL		3071094	10
HV M12/2-TP		3049709	25
HV M8/1-AP		3049398	25
WS-4K		1004584	10
E/AL-NS 35		1201662	10

Accessories			
HV M10/1-VS 2	269 A	3049466	10
HV M10/1-VS 3	269 A	3049479	10
HV M10/1 M6/1-STL2		3071081	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12  
(see Catalog 5)

UC-TM 12, UCT-TM 12 or ZB 12  
(see Catalog 5)

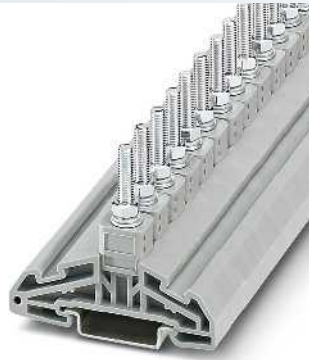
UC-TM 12, UCT-TM 12 or ZB 12  
(see Catalog 5)

# Terminal blocks

## RBO and RSC bolt connection terminal blocks

### HV ... high-current connector

- The bolt connection terminal blocks for cable lugs according to DIN 46234, DIN 46235, and DIN 46237 are available as part of the UHV ... high-current connector range
- For connecting up to four conductors
- Versions with connection bolts of between M5 and M12
- Extensive, supplementary accessories



16 (16) mm<sup>2</sup>, 76 A, M5 bolt terminal block



35 (35) mm<sup>2</sup>, 125 A, M6 bolt terminal block

®. ERC

#### Technical data

Dimensions		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	1000	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	76 / 16	-
Rated cross section	[mm <sup>2</sup> ]	16	-
Cross section range	AWG	24 - 6	-
<b>Connection capacity, bolt connection</b>			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	0.1 - 16	
Cable lugs, DIN 46235	[mm <sup>2</sup> ]	6 - 10	
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	1 - 6	
<b>General data</b>			
Bolt length	[mm]	22.5	
Screw thread		M5	
Tightening torque	[Nm]	2 - 4	
Insulating material		PA	
Inflammability class according to UL 94		V0	

®. ERC

#### Technical data

Dimensions		[mm]	
<b>Max. electrical data</b>			
<b>Rated data</b>			
Rated voltage	[V]	1000	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	125 / 35	-
Rated cross section	[mm <sup>2</sup> ]	35	-
Cross section range	AWG	14 - 2	-
<b>Connection capacity, bolt connection</b>			
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	2.5 - 35	
Cable lugs, DIN 46235	[mm <sup>2</sup> ]	6 - 35	
Cable lugs, DIN 46237	[mm <sup>2</sup> ]	2.5 - 6	
<b>General data</b>			
Bolt length	[mm]	22.5	
Screw thread		M6	
Tightening torque	[Nm]	3 - 6	
Insulating material		PA	
Inflammability class according to UL 94		V0	

#### Ordering data

Description	No. of pos.	Color
High-current connectors, for mounting on NS 35...		gray

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
HV M5/1		3049107	25

#### Ordering data

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
HV M6/1		3049204	25

#### Accessories

<b>Connection rail</b> , for cross connection of high-current connectors			
	2	silver	
	3	silver	
<b>Reducing bridge</b> , for connecting HV M8/1 to HV M6/1			
	2	silver	
<b>Reducing bridge</b> , for connecting HV M10/1 to HV M6/1			
	3	silver	
<b>Separating plate</b>		gray	
<b>Cover</b>		gray	
<b>Adhesive warning plate</b> , self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow	
<b>Adhesive warning plate</b> , self-adhesive, black print: lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow	
<b>End bracket</b> , for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray	
<b>End bracket</b> , aluminum, for screwing on, for end support of 50 - 300 mm <sup>2</sup> terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver	

<b>HV M5/1-VS 2</b>	76 A	3049437	10
<b>HV M5/1-VS 3</b>	76 A	3049440	10
<b>HV M12/1-TP</b>		3049602	25
<b>HV M5/1-AP</b>		3049806	25
<b>WS-4K</b>		1004584	10
<b>CLIPFIX 35-5</b>		3022276	50

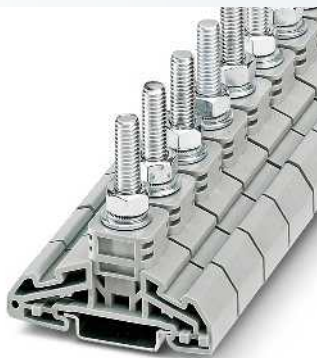
#### Accessories

<b>HV M6/1-VS 2</b>	125 A	3049262	10
<b>HV M6/1-VS 3</b>	125 A	3049275	10
<b>HV M12/1-TP</b>		3049602	25
<b>HV M6/1-AP</b>		3049903	25
<b>WS-4K</b>		1004584	10
<b>CLIPFIX 35-5</b>		3022276	50

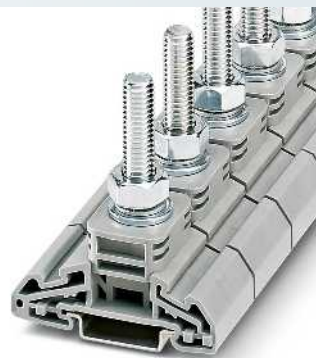
<b>Later groove marking</b>
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<b>UCT-TM 12, UCT-TM 12 or ZB 12</b> (see Catalog 5)
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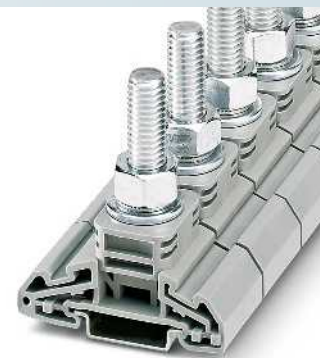
<b>UCT-TM 12, UCT-TM 12 or ZB 12</b> (see Catalog 5)
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50 (50) mm<sup>2</sup>, 150 A, M8 bolt terminal block



120 (120) mm<sup>2</sup>, 269 A, M10 bolt terminal block



120 (120) mm<sup>2</sup>, 269 A, M12 bolt terminal block

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Technical data			
Width	Length	Height NS 35/7,5	
21	67	66	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
150	1000	2.5 - 50	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	125 / -	-
50	-	-	-
14 - 1/0	-	-3	-
2.5 - 50			
6 - 35			
6 - 10			
30.5			
M8			
6 - 12			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
32	67	76	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
269	1000	6 - 120	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
10 - 250 kcmil	-	-00	-
6 - 120			
10 - 95			
- 6			
40.5			
M10			
10 - 20			
PA			
V0			

Technical data			
Width	Length	Height NS 35/7,5	
32	67	76	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
269	1000	6 - 120	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
10 - 250 kcmil	-	-00	-
6 - 120			
10 - 95			
-			
40.5			
M12			
14 - 31			
PA			
V0			

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M8/1		3049301	25

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M10/1		3049408	10

Ordering data			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M12/1		3049505	10

Accessories			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M8/1-VS 2	150 A	3049369	10
HV M8/1-VS 3	150 A	3049372	10
HV M8/1 M6/1-STL		3071094	10
HV M12/2-TP		3049709	25
HV M8/1-AP		3049398	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

Accessories			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M10/1-VS 2	269 A	3049466	10
HV M10/1-VS 3	269 A	3049479	10
HV M10/1 M6/1-STL2		3071081	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

Accessories			
Type	$I_{max}$	Order No.	Pcs. / Pkt.
HV M12/1-VS 2	269 A	3049631	10
HV M12/1-VS 3	269 A	3049644	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)

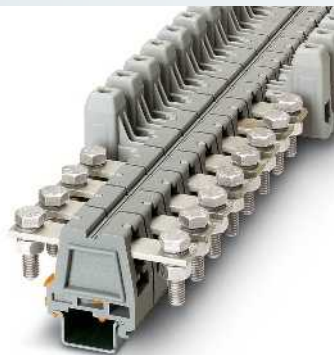
# Terminal blocks

## RBO and RSC bolt connection terminal blocks

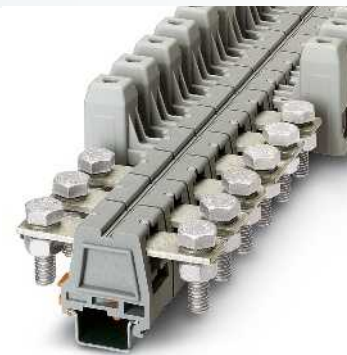
### UHV ... high-current connector

- The UHV ... high-current connectors are available in several versions
- Versions are available with a cable lug or direct connection and there is a mixed version of both connection types
- The comprehensive range of accessories ensures safe and user-friendly wiring of conductors up to 240 mm<sup>2</sup>

**Notes:**  
In the case of UHV 240..., the BG/F flat bracket must be mounted.



**25 (25) mm<sup>2</sup>, 101 A, feed-through terminal block**



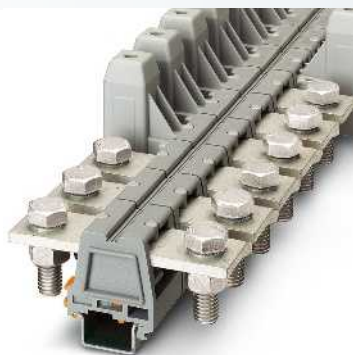
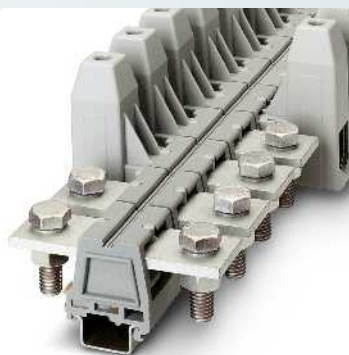
**50 (50) mm<sup>2</sup>, 150 A, feed-through terminal block**



Dimensions		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated voltage	[V]	1000
Nominal current / cross section	[A] / [mm <sup>2</sup> ]	101 / 25
Rated cross section	[mm <sup>2</sup> ]	25
Cross section range	AWG	10 - 3
<b>Terminal sleeve connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	6 - 25
2 conductors (of the same type)	[mm <sup>2</sup> ]	2.5 - 10
<b>Connection capacity, bolt connection</b>		
Bolt diameter	[mm]	8 mm
Hole diameter / busbar	[mm]	8.4 / 15 mm x 3 mm
Cable lugs, DIN 46234	[mm <sup>2</sup> ]	2.5 - 25
Cable lugs, DIN 46235	[mm <sup>2</sup> ]	16 - 25
<b>General data</b>		
Stripping length	[mm]	21
Terminal sleeve: thread / torque	- / [Nm]	M5 / 4 - 4.5
Screw set AS: screw thread / torque	- / [Nm]	M8 / 15 - 20
Insulating material		PA-F
Inflammability class according to UL 94		V2

Technical data				
Width	Length	Height NS 35/15		
<b>26</b>	<b>95</b>	<b>72</b>		
<b>I<sub>max</sub> [A]</b>	<b>U<sub>max</sub> [V]</b>	<b>Max. Ø [mm<sup>2</sup>]</b>	<b>AWG (UL)</b>	
<b>101</b>	<b>1000</b>	<b>6 - 25</b>	<b>6 - 4</b>	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC / EN 60079-7	
1000	600	600	-	
150 / 50	150 / -	100 / -	-	
50	-	-	-	
6 - 1/0	6 - 1/0	6 - 1/0	-	
Solid				
Stranded				
without/with plastic sleeve				
6 - 25	10 - 25	4 - 25	4 - 25	
2.5 - 10	4 - 10	2.5 - 10	-	
<b>Ordering data</b>				
Type				
Order No.				
Pcs. / Pkt.				
High current connector, with KH terminal sleeve on one side, and AS screw set on the other side				
UHV 25-KH/AS				
2130101				
10				
High current connector, screw set AS on both sides, for rail or cable lug connection				
UHV 25-AS/AS				
2130004				
10				
High current connector, with KH terminal sleeve on both sides, for direct cable connection				
UHV 25-KH/KH				
2130156				
10				
Accessories				
UHV 25-AH				
2130431				
10				
UHV 25-VS 2				
2130541				
10				
UHV 25-VS 3				
2130554				
10				
UHV -TP1				
2130402				
10				
UHV -E				
2130428				
10				
SZS 1,0X6,5 VDE				
1205079				
10				
Center groove marking				
UC-TM 10 (see Catalog 5)				

Technical data				
Width	Length	Height NS 35/15		
<b>32</b>	<b>104</b>	<b>78</b>		
<b>I<sub>max</sub> [A]</b>	<b>U<sub>max</sub> [V]</b>	<b>Max. Ø [mm<sup>2</sup>]</b>	<b>AWG (UL)</b>	
<b>150</b>	<b>1000</b>	<b>16 - 50</b>	<b>6 - 1/0</b>	
IEC 60947-7-1				
IEC	UL / CUL	CSA	IEC / EN 60079-7	
1000	600	600	-	
150 / 50	150 / -	125 / -	-	
50	-	-	-	
6 - 1/0	6 - 1/0	6 - 1/0	-	
Solid				
Stranded				
without/with plastic sleeve				
16 - 50	25 - 50	25 - 50	25 - 50	
10 - 16	10 - 16	10 - 16	-	
<b>Ordering data</b>				
Type				
Order No.				
Pcs. / Pkt.				
High current connector, with KH terminal sleeve on one side, and AS screw set on the other side				
UHV 50-KH/AS				
2130114				
10				
High current connector, screw set AS on both sides, for rail or cable lug connection				
UHV 50-AS/AS				
2130017				
10				
High current connector, with KH terminal sleeve on both sides, for direct cable connection				
UHV 50-KH/KH				
2130169				
10				
Accessories				
UHV 50-AH				
2130444				
10				
UHV 50-VS 2				
5030897				
10				
UHV 50-VS 3				
2130622				
10				
UHV -TP1				
2130402				
10				
UKH 50 EP				
3009228				
10				
UHV -E				
2130428				
10				
SZS 1,2X8,0 VDE				
1205082				
10				
Center groove marking				
UC-TM 10 (see Catalog 5)				

95 (95) mm<sup>2</sup>, 232 A, feed-through terminal block150 (150) mm<sup>2</sup>, 309 A, feed-through terminal block240 (240) mm<sup>2</sup>, 415 A, feed-through terminal block

Technical data			
Width	Length	Height NS 35/15	
40	114	86	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
232	1000	25 - 95	2 - 4/0
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
232 / 95	230 / -	200 / -	-
95	-	-	-
3 - 3/0	2 - 4/0	2 - 4/0	-
Solid	Stranded	Ferrule without/with plastic sleeve	
25 - 95	35 - 95	35 - 95	35 - 95
25 - 35	25 - 35	16 - 35	-
12 mm			
13 / 30 mm x 5 mm			
10 - 95			
25 - 95			
29			
M8 / 15 - 20			
M12 / 25 - 30			
PA-F			
V2			

Technical data			
Width	Length	Height NS 35/15	
46	119	100	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
309	1000	35 - 150	2 - 300
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
309 / 150	285 / -	275 / -	-
150	-	-	-
2 - 300 kcmil	2 - 300	2 - 300	-
Solid	Stranded	Ferrule without/with plastic sleeve	
35 - 150	50 - 150	50 - 150	50 - 150
25 - 50	35 - 50	25 - 50	-
12 mm			
13 / 35 mm x 5 mm			
10 - 150			
25 - 150			
34			
M10 / 25 - 30			
M12 / 25 - 30			
PA-F			
V2			

Technical data			
Width	Length	Height NS 35/15	
53	126.5	105.5	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
415	1000	70 - 240	2/0 - 500
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
415 / 240	380 / -	400 / -	-
240	-	-	-
2/0 - 500 kcmil	2/0 - 500	1/0 - 500	-
Solid	Stranded	Ferrule without/with plastic sleeve	
70 - 240	70 - 240	70 - 180	70 - 185
35 - 95	50 - 95	35 - 50	-
16 mm			
17 / 40 mm x 5 mm			
25 - 240			
50 - 185			
34			
M10 / 25 - 30			
M16 / 30 - 35			
PA-F			
V2			

Ordering data		
Type	Order No.	Pcs. / Pkt.
UHV 95-KH/AS	2130127	10
UHV 95-AS/AS	2130020	10
UHV 95-KH/KH	2130172	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
UHV150-KH/AS	2130130	10
UHV150-AS/AS	2130033	10
UHV150-KH/KH	2130185	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
UHV240-KH/AS	2130143	5
UHV240-AS/AS	2130046	5
UHV240-KH/KH	2130198	5

Accessories		
UHV 95-AH	2130457	10
UHV 95-VS 2	2130635	10
UHV 95-VS 3	2130648	10
UHV -TP2	2130415	10
UKH 95 EP	3009231	10
UHV -E	2130428	10
VDE-ISS 8	1201947	1

Accessories		
UHV150-AH	2130460	10
UHV150-VS 2	2130651	10
UHV150-VS 3	2130664	10
UHV -TP2	2130415	10
UKH 150/240 EP	3009244	10
UHV -E	2130428	10
VDE-ISS 8	1201947	1

Accessories		
UHV240-AH	2130473	10
UHV240-VS 2	2130677	10
UHV240-VS 3	2130680	10
UHV -TP2	2130415	10
UKH 150/240 EP	3009244	10
UHV -E	2130428	10
VDE-ISS 8	1201947	1

UC-TM 10 (see Catalog 5)

UC-TM 10 (see Catalog 5)

UC-TM 10 (see Catalog 5)

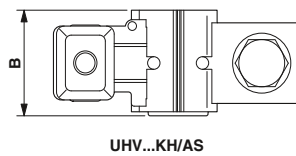
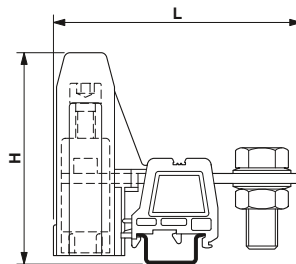
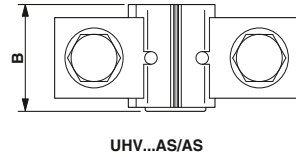
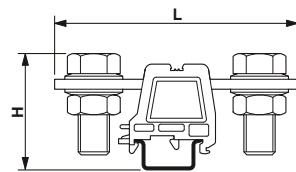
# Terminal blocks

## RBO and RSC bolt connection terminal blocks

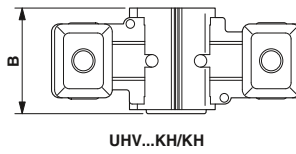
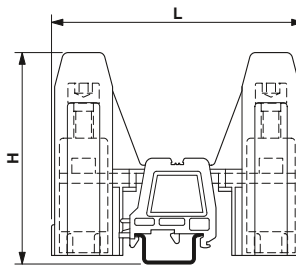
Bolt connection terminal blocks are available either in a single-bolt or double-bolt design or with a screw/bolt mixed connection. The latter are fitted as high-current connectors with a terminal sleeve connection on one side and with a screw set for the connection of cable lugs on the other. The dimensions of the various types are shown in the following drawings and tables.

### Secure cable lug connection

Cable lugs are securely connected in UHV..., HV..., and RT... high-current terminal blocks using the screw set. Spring washers are used for screw locking. Cable lugs according to DIN 46234, DIN 46235, and DIN 46237 can be connected. A two-conductor connection is also possible where one conductor must be connected under the current bar using a cable lug and the other must be connected to the current bar. See diagram below right.

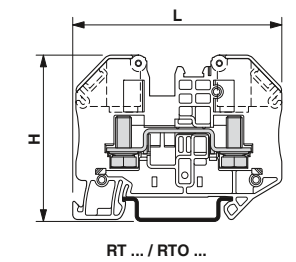


High-current connector with bolt connection Universal high-current connector Dimensions in [mm] / [inch]				
Type	H	L	W	
UHV 25-AS/AS	53 / 2.087	88 / 3.456	26 / 1.024	
UHV 25-KH/AS	72 / 2.835	95 / 3.74	26 / 1.024	
UHV 25-KH/KH	72 / 2.835	102.5 / 4.035	26 / 1.024	
UHV 50-AS/AS	54.5 / 2.146	95 / 3.74	32 / 1.26	
UHV 50-KH/AS	78 / 3.071	104 / 4.094	32 / 1.26	
UHV 50-KH/KH	78 / 3.071	113.5 / 4.469	32 / 1.26	
UHV 95-AS/AS	56 / 2.205	110 / 4.331	40 / 1.575	
UHV 95-KH/AS	86 / 3.386	114 / 4.488	40 / 1.575	
UHV 95-KH/KH	86 / 3.386	118.5 / 4.665	40 / 1.575	
UHV 150-AS/AS	56 / 2.205	110 / 4.331	46 / 1.811	
UHV 150-KH/AS	100 / 3.937	119 / 4.685	46 / 1.811	
UHV 150-KH/KH	100 / 3.937	128.5 / 5.059	46 / 1.811	
UHV 240-AS/AS	58 / 2.283	125 / 4.921	53 / 2.087	
UHV 240-KH/AS	105.5 / 4.154	126.5 / 4.980	53 / 2.087	
UHV 240-KH/KH	105.5 / 4.154	128.5 / 5.059	53 / 2.087	



CLIPLINE complete bolt connection Ring-lug terminal - RT Dimensions in [mm] / [inch]				
Type	H	L	W	
RT 3	51 / 2.007	65 / 2.559	12.2 / 0.480	
RT 5	51 / 2.007	65 / 2.559	16.2 / 0.637	
RT 5-T	51 / 2.007	90.4 / 3.559	16.2 / 0.637	
RT 8	63.8 / 2.511	84 / 3.307	20.2 / 0.795	

CLIPLINE complete bolt connection Ring-lug terminal open style - RTO Dimensions in [mm] / [inch]				
Type	H	L	W	
RTO 3	49.9 / 1.965	65 / 2.559	12.2 / 0.480	
RTO 5	49.9 / 1.965	65 / 2.559	16.2 / 0.637	
RTO 5-T	49.9 / 1.965	90.4 / 3.559	16.2 / 0.637	
RTO 8	62.2 / 2.449	84 / 3.307	20.2 / 0.795	



### Secure flat conductor connection

Flat conductors can be reliably and securely connected in UKH and UHV high-current terminal blocks using the insertion profile (UKH... EP). This levels out the prism-shaped terminal sleeve base, thereby ensuring that the flat conductor is contacted on a large area.

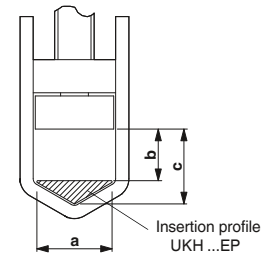
Suitability of flat conductors for clamping

Conductor		Type	
Structure [mm]	Current [A]	UHV 50-KH/AS UHV 50-KH/KH	UHV 95-KH/AS UHV 95-KH/KH
3 x 9 x 0.8	100	X	X
6 x 9 x 0.8	160	X <sup>1)</sup>	X
4 x 16 x 0.8	200	-	X
6 x 16 x 0.8	250	-	X <sup>1)</sup>
10 x 16 x 0.8	400	-	X <sup>1)</sup>
11 x 21 x 0.8	630	-	-

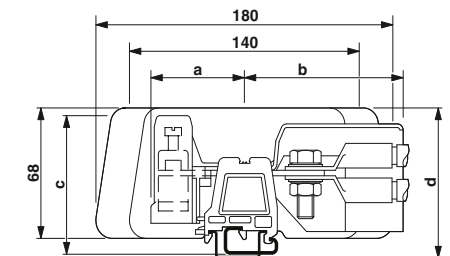
Conductor		Type	
Structure [mm]	Current [A]	UHV 150-KH/AS UHV 150-KH/KH	UHV 240-KH/AS UHV 240-KH/KH
3 x 9 x 0.8	100	-	-
6 x 9 x 0.8	160	X	-
4 x 16 x 0.8	200	X	X
6 x 16 x 0.8	250	X	X
10 x 16 x 0.8	400	X <sup>1)</sup>	X
11 x 21 x 0.8	630	-	X <sup>1)</sup>

<sup>1)</sup> Observe nominal current of terminal blocks.

### Internal dimensions of terminal sleeves



Type	Internal dimensions in [mm] / [inch]		
	a	b	c
UKH 25 / UHV 25-KH/...	9 / 0.354	- / -	8.5 / 0.335
UKH 50 / UHV 50-KH/...	11 / 0.433	7.5 / 0.295	12 / 0.472
UKH 95 / UHV 95-KH/...	15 / 0.591	11 / 0.433	15 / 0.591
UKH 150 / UHV 150-KH/...	19.5 / 0.768	11 / 0.433	18 / 0.709
UKH 240 / UHV 240-KH/...	24 / 0.945	19 / 0.748	26 / 1.024



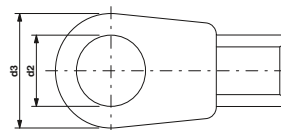
Dimensions for covering hoods and partition plates [mm] / [inch]				
Type	a	b	c	d
UHV 25	51 / 2.008	82 / 3.228	70 / 2.756	63 / 2.48
UHV 50	57 / 2.244	97 / 3.819	76 / 2.992	68 / 2.677
UHV 95	59 / 2.323	112 / 4.409	84 / 3.307	75 / 2.953
UHV 150	64 / 2.52	125 / 4.921	98 / 3.858	81 / 3.189
UHV 240	64 / 2.52	143 / 5.63	103 / 4.055	87 / 3.425



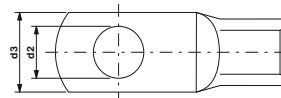
RBO and RSC bolt connection terminal blocks

Cable lugs			DIN 46234				DIN 46235				DIN 46237			
			Conductor cross section [mm²]/[AWG]		Hole Ø d <sub>2</sub> [mm]/[inch]		Width d <sub>3</sub> [mm]/[inch]		Hole Ø d <sub>2</sub> [mm]/[inch]		Width d <sub>3</sub> [mm]/[inch]		Hole Ø d <sub>2</sub> [mm]/[inch]	
M 3	0.5	20	3.2	0.126	5	0.197	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	1	17	3.2	0.126	6	0.236	-/-	-/-	3.2	0.126	6	0.236	-/-	-/-
	2.5	14	3.2	0.126	6	0.236	-/-	-/-	3.2	0.126	6	0.236	-/-	-/-
M 5	0.5	20	5.3	0.208	8	0.315	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	1	17	5.3	0.208	10	0.394	-/-	-/-	5.3	0.208	10	0.394	-/-	-/-
	2.5	14	5.3	0.208	10	0.394	-/-	-/-	5.3	0.208	10	0.394	-/-	-/-
	6	10	5.3	0.208	10	0.394	5.3	0.208	8.5	0.335	5.3	0.208	10	0.394
	10	8	5.3	0.208	11	0.433	5.3	0.208	9	0.354	-/-	-/-	-/-	-/-
	16	6	5.3	0.208	11	0.433	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
M 6	1.5	16	6.4	0.252	10	0.394	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	2.5	14	6.4	0.252	11	0.433	-/-	-/-	6.5	0.256	11	0.433	-/-	-/-
	6	10	6.4	0.252	11	0.433	6.4	0.252	8.5	0.335	6.5	0.256	11	0.433
	10	8	6.4	0.252	11	0.433	6.4	0.252	9	0.354	-/-	-/-	-/-	-/-
	16	6	6.4	0.252	11	0.433	6.4	0.252	12	0.472	-/-	-/-	-/-	-/-
	25	3	6.4	0.252	12	0.472	6.4	0.252	14	0.551	-/-	-/-	-/-	-/-
	35	2	6.4	0.252	16	0.63	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
50	0	6.4	0.252	18	0.709	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	
M 8	2.5	14	8.4	0.331	14	0.551	-/-	-/-	8.4	0.331	14	0.551	-/-	-/-
	6	10	8.4	0.331	14	0.551	-/-	-/-	8.4	0.331	14	0.551	-/-	-/-
	10	8	8.4	0.331	14	0.551	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	16	6	8.4	0.331	14	0.551	8.4	0.331	13	0.512	-/-	-/-	-/-	-/-
	25	3	8.4	0.331	16	0.63	8.4	0.331	16	0.63	-/-	-/-	-/-	-/-
	35	2	8.4	0.331	16	0.63	8.4	0.331	17	0.669	-/-	-/-	-/-	-/-
	50	0	8.4	0.331	18	0.709	8.4	0.331	20	0.787	-/-	-/-	-/-	-/-
	70	00	8.4	0.331	22	0.866	8.4	0.331	24	0.945	-/-	-/-	-/-	-/-
	95	000	8.4	0.331	24	0.945	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
120	250 kcmil	8.4	0.331	24	0.945	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	
M 10	6	10	10.5	0.413	18	0.709	-/-	-/-	10.5	0.413	18	0.709	-/-	-/-
	10	8	10.5	0.413	18	0.709	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	16	6	10.5	0.413	18	0.709	10.5	0.413	17	0.669	-/-	-/-	-/-	-/-
	25	3	10.5	0.413	18	0.709	10.5	0.413	17	0.669	-/-	-/-	-/-	-/-
	35	2	10.5	0.413	18	0.709	10.5	0.413	19	0.748	-/-	-/-	-/-	-/-
	50	20	10.5	0.413	18	0.709	10.5	0.413	22	0.866	-/-	-/-	-/-	-/-
	70	00	10.5	0.413	22	0.866	10.5	0.413	24	0.945	-/-	-/-	-/-	-/-
	95	000	10.5	0.413	24	0.945	10.5	0.413	28	1.102	-/-	-/-	-/-	-/-
	120	250 kcmil	10.5	0.413	24	0.945	10.5	0.413	32	1.26	-/-	-/-	-/-	-/-
	150	300 kcmil	10.5	0.413	30	1.181	10.5	0.413	34	1.339	-/-	-/-	-/-	-/-
185	350 kcmil	10.5	0.413	36	1.417	10.5	0.413	37	1.457	-/-	-/-	-/-	-/-	
M 12	10	8	13	0.512	22	0.866	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	16	6	13	0.512	22	0.866	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	25	3	13	0.512	22	0.866	13	0.512	19	0.748	-/-	-/-	-/-	-/-
	35	2	13	0.512	22	0.866	13	0.512	21	0.827	-/-	-/-	-/-	-/-
	50	0	13	0.512	22	0.866	13	0.512	24	0.945	-/-	-/-	-/-	-/-
	70	00	13	0.512	22	0.866	13	0.512	24	0.945	-/-	-/-	-/-	-/-
	95	000	13	0.512	24	0.945	13	0.512	28	1.102	-/-	-/-	-/-	-/-
	120	250 kcmil	13	0.512	24	0.945	13	0.512	32	1.26	-/-	-/-	-/-	-/-
	150	300 kcmil	13	0.512	30	1.181	13	0.512	34	1.339	-/-	-/-	-/-	-/-
	185	350 kcmil	13	0.512	36	1.417	13	0.512	37	1.457	-/-	-/-	-/-	-/-
M 16	25	3	17	0.669	28	1.102	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	35	2	17	0.669	28	1.102	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	50	0	17	0.669	28	1.102	17	0.669	28	1.102	-/-	-/-	-/-	-/-
	70	00	17	0.669	28	1.102	17	0.669	30	1.181	-/-	-/-	-/-	-/-
	95	000	17	0.669	28	1.102	17	0.669	32	1.26	-/-	-/-	-/-	-/-
	120	250 kcmil	17	0.669	28	1.102	17	0.669	32	1.26	-/-	-/-	-/-	-/-
	150	300 kcmil	17	0.669	30	1.181	17	0.669	34	1.339	-/-	-/-	-/-	-/-
	185	350 kcmil	17	0.669	36	1.417	17	0.669	37	1.457	-/-	-/-	-/-	-/-
240	500 kcmil	17	0.669	38	1.496	17	0.669	42	1.654	-/-	-/-	-/-	-/-	

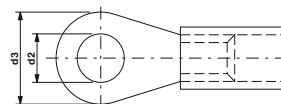
Cable lug  
DIN 46234: 1980-03



Cable lug  
DIN 46235: 1980-07



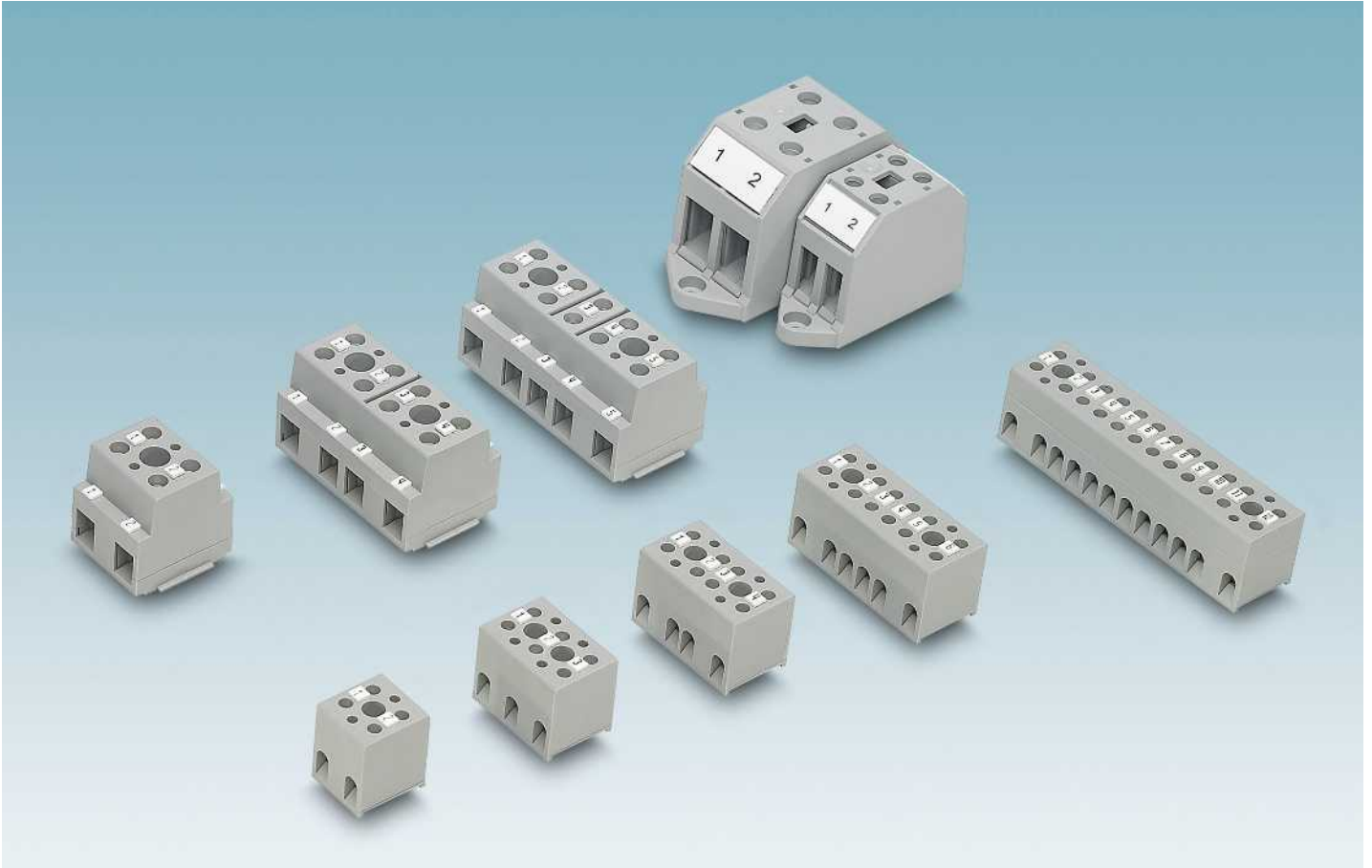
Cable lug  
DIN 46237



# Terminal blocks

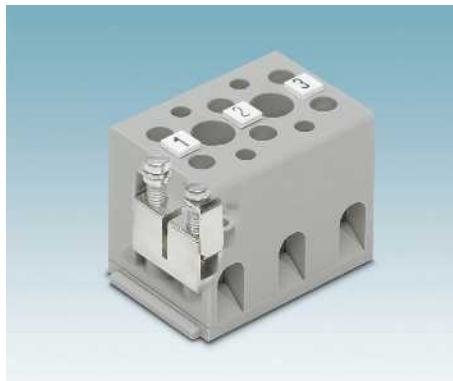
## G and UDB device terminal blocks

### Device terminal blocks



#### For direct rail-free use

Compact device terminal blocks fitted free of rails are mainly used in network connections for electric and electronic equipment and in small terminal boxes.



#### Safe conductor connection

The device terminal blocks are designed for very stringent requirements. The screw connection familiar from standard terminal blocks offers:

- Maintenance-free conductor connection
- Simple multiple conductor connection
- Conductor connection with or without ferrule



#### Extensive program

The device terminal block range is available up to a nominal cross section of 35 mm<sup>2</sup> and 125 A with various numbers of positions. The terminal blocks are clearly and easily identified with the marking material.

### Device terminal blocks for direct mounting G 5/G 10 and GE 10...

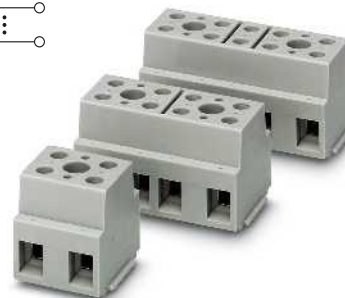
- Finger protection
- The housing ribs engage with one another below on both sides for simple attachment
- Mounting with two screws per block (apart from the 2-pos. version)

#### Notes:

For drawings and dimensions, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



4 (4) mm<sup>2</sup>, 32 A, terminal block base, multi-position



10 (16) mm<sup>2</sup>, 76 A, terminal block base, multi-position



#### Technical data

Dimensions	Width	Length	Height
	20	22	24
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. $\varnothing$ [mm <sup>2</sup> ] AWG (UL)
	32	500	0.2 - 4 26 - 10
Rated data	IEC 60947-7-1/IEC 60998		
	IEC	UL	CSA IEC/EN 60079-7
Rated voltage [V]	500	300	300 -
Nominal current / cross section [A] / [mm <sup>2</sup> ]	32 / 4	30 / -	30 / - -
Rated cross section [mm <sup>2</sup> ]	4	-	- -
Cross section range AWG	24 - 12	26 - 10	28 - 10
Connection capacity	Solid Stranded Ferrule without/with plastic sleeve		
1 conductor [mm <sup>2</sup> ]	0.2 - 4	0.2 - 4	0.25 - 4 0.25 - 2.5
2 conductors (of the same type) [mm <sup>2</sup> ]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 -
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-	-	- 0.5 - 1
General data	Stripping length [mm]		
	8		
Screw thread			
	M3		
Tightening torque [Nm]			
	0.6 - 0.8		
Insulating material			
	PA		
Inflammability class according to UL 94			
	V2		

Description	Color
Device terminal block, for direct mounting, 2-pos.	gray
3-pos.	gray
4-pos.	gray
5-pos.	gray
6-pos.	gray
12-pos.	gray
Device terminal block, for direct mounting, bridged, 2-pos.	orange

Warning label	Color
	yellow
	yellow
Marker pin, unprinted, made of plastic, for individual marking with B-STIFT or X-PEN	white

Screwdriver
SF-SL 0,6X3,5-100 S-VDE

#### Ordering data

Type	Order No.	Pcs. / Pkt.
G 5/2	2716020	50
G 5/3	2716033	50
G 5/4	2716046	50
G 5/6	2716062	50
G 5/12	2716127	50
G 5/2 B	2716305	50

#### Accessories

Accessories	Order No.	Pcs. / Pkt.
WS-G5/3	2720032	10
WS-G5/4	2716499	10
BN WH	1401404	100
SF-SL 0,6X3,5-100 S-VDE	1212587	10



#### Technical data

Dimensions	Width	Length	Height
	29	33	31
Max. electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	Max. $\varnothing$ [mm <sup>2</sup> ] AWG (UL)
	76	800	0.5 - 16 24 - 6
Rated data	IEC 60947-7-1/IEC 60998		
	IEC	UL	CSA IEC/EN 60079-7
Rated voltage [V]	800	600	600 -
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10	65 / -	65 / - -
Rated cross section [mm <sup>2</sup> ]	10	-	- -
Cross section range AWG	20 - 6	24 - 6	22 - 6
Connection capacity	Solid Stranded Ferrule without/with plastic sleeve		
1 conductor [mm <sup>2</sup> ]	0.5 - 16	0.5 - 10	0.5 - 16 0.5 - 16
2 conductors (of the same type) [mm <sup>2</sup> ]	0.5 - 6	0.5 - 6	0.5 - 6 -
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-	-	- 0.5 - 6
General data	Stripping length [mm]		
	12		
Screw thread			
	M4		
Tightening torque [Nm]			
	1.5 - 1.8		
Insulating material			
	PA		
Inflammability class according to UL 94			
	V2		

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	G 10/2	2716703	10
3-pos.	gray	G 10/3	2716716	10
4-pos.	gray	G 10/4	2716729	10
5-pos.	gray	G 10/5	2716732	10

Warning label	Color	Accessories	Order No.	Pcs. / Pkt.
	yellow	BN WH	1401404	100
	yellow			
Marker pin, unprinted, made of plastic, for individual marking with B-STIFT or X-PEN	white			

Screwdriver
SZS 1,0X4,0 VDE

# Terminal blocks

## G and UDB device terminal blocks

### Device terminal blocks for direct mounting GE 35...

- Finger protection
- Mounting with two screws per block
- Large marking option on terminal points

**Notes:**  
For drawings and dimensions, visit [phoenixcontact.net/products](http://phoenixcontact.net/products)



10 (16) mm<sup>2</sup>, 76 A, terminal block base, two-pos.



10 (16) mm<sup>2</sup>, 76 A, terminal block base, two-pos., internally connected

ERC

#### Technical data

Dimensions		[mm]	
<b>Max. electrical data</b>			
Rated voltage [V]	1000		
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10		
Rated cross section [mm <sup>2</sup> ]	10		
Cross section range AWG	20 - 6		
<b>Connection capacity</b>			
1 conductor [mm <sup>2</sup> ]	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type) [mm <sup>2</sup> ]	0.5 - 4	0.5 - 4	0.5 - 2.5
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-	-	0.5 - 6
<b>General data</b>			
Stripping length [mm]	10		
Screw thread	M4		
Tightening torque [Nm]	1.5 - 1.8		
Insulating material	PA		
Inflammability class according to UL 94	V2		

Width	Length	Height		
24.8	71.3	40		
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
76	1000	0.5 - 16	-	
IEC 60947-7-1/IEC 60998				
IEC	UL	CSA	IEC/EN 60079-7	
<b>Connection capacity</b>				
Solid	Stranded	Ferrule without/with plastic sleeve		
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	
0.5 - 4	0.5 - 4	0.5 - 2.5	-	
-	-	-	0.5 - 6	
<b>General data</b>				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Inflammability class according to UL 94	V2			

ERC

#### Technical data

Dimensions		[mm]	
<b>Max. electrical data</b>			
Rated voltage [V]	1000		
Nominal current / cross section [A] / [mm <sup>2</sup> ]	57 / 10		
Rated cross section [mm <sup>2</sup> ]	10		
Cross section range AWG	20 - 6		
<b>Connection capacity</b>			
1 conductor [mm <sup>2</sup> ]	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type) [mm <sup>2</sup> ]	0.5 - 4	0.5 - 4	0.5 - 2.5
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-	-	0.5 - 6
<b>General data</b>			
Stripping length [mm]	10		
Screw thread	M4		
Tightening torque [Nm]	1.5 - 1.8		
Insulating material	PA		
Inflammability class according to UL 94	V2		

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	GE 10/2	3071049	25
Device terminal block, for direct mounting, bridged, 2-pos.	blue	GE 10/2 BU	3071052	25
Device terminal block, for direct mounting, 2-pos., bridged	gray			
Device terminal block, for direct mounting, 1-pos.	blue			
Device terminal block, for direct mounting, 2-pos.	gray			
Device terminal block, for direct mounting, 2-pos.	blue			
Device terminal block, for direct mounting, bridged, 2-pos.	gray			
Device terminal block, for direct mounting, bridged, 2-pos.	blue			

Type	Order No.	Pcs. / Pkt.
GE 10/2	3071049	25
GE 10/2 BU	3071052	25
GE 10/2-B	2701572	25
GE 10/2-B BU	2701573	25

#### Accessories

<b>Screwdriver</b>	SZS 1,0X4,0 VDE	1205066	10
<b>Lateral groove marking</b>	UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)		

<b>Screwdriver</b>	SZS 1,0X4,0 VDE	1205066	10
<b>Lateral groove marking</b>	UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)		



35 (35) mm<sup>2</sup>, 125 A, terminal block base, single-pos.



35 (35) mm<sup>2</sup>, 125 A, terminal block base, two-pos.



35 (35) mm<sup>2</sup>, 125 A, terminal block base, two-pos., internally connected

ERC

Technical data			
Width	Length	Height	
19.8	83.7	44.9	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	630	0.75 - 35	-
IEC 60947-7-1/IEC 60998			
IEC	UL	CSA	IEC/EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6
16			
M6			
3.5 - 4			
PA			
V2			

ERC

Technical data			
Width	Length	Height	
34.8	83.7	44.9	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	630	0.75 - 35	-
IEC 60947-7-1/IEC 60998			
IEC	UL	CSA	IEC/EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6
16			
M6			
3.5 - 4			
PA			
V2			

ERC

Technical data			
Width	Length	Height	
34.8	83.7	44.9	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	630	0.75 - 35	-
IEC 60947-7-1/IEC 60998			
IEC	UL	CSA	IEC/EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6
16			
M6			
3.5 - 4			
PA			
V2			

Ordering data		
Type	Order No.	Pcs. / Pkt.
GE 35/1	3071082	25
GE 35/1 BU	3071095	25

Ordering data		
Type	Order No.	Pcs. / Pkt.
GE 35/2	3071065	25
GE 35/2 BU	3071078	25

Ordering data		
Type	Order No.	Pcs. / Pkt.
GE 35/2-B	2701569	25
GE 35/2-B BU	2701570	25

Accessories		
SZS 1,0X4,0 VDE	1205066	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)		

Accessories		
SZS 1,0X4,0 VDE	1205066	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)		

Accessories		
SZS 1,0X4,0 VDE	1205066	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 5)		

# Terminal blocks

## G and UDB device terminal blocks

### UDB ... trunk line branch terminals



- The branch terminals from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm<sup>2</sup>
- The UDB ... blocks are used in counter and marshalling cabinets
- They meet the requirements of DIN VDE 0603-2/EN 60998-1
- The touch-proof blocks can be snapped together in a modular fashion depending on the application and attached to NS 35 DIN rails according to EN 60715
- Available in two terminal block versions up to 25 mm<sup>2</sup> or up to 35 mm<sup>2</sup>
- Available in the five current conductor colors, e.g., for three-phase cables



25 (25) mm<sup>2</sup>, 101 A, trunk line branch terminal, 2 x 16 mm<sup>2</sup> feeders

ERC

Dimensions	
	[mm]
Max. electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm <sup>2</sup> ]
Rated cross section	[mm <sup>2</sup> ]
Cross section range	AWG
Supply connection capacity	
1 conductor	[mm <sup>2</sup> ]
Branch connection capacity	
1 conductor	[mm <sup>2</sup> ]
General data	
Stripping length	[mm]
Insulating material	
Inflammability class according to UL 94	

Technical data					
Width	Length	Height NS 35/7,5			
23	46	42			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)		
101	400	1.5 - 25	-		
IEC 60998-1					
IEC	UL	CSA	IEC/EN 60079-7		
Rated voltage					
400	-	-	-	-	
Nominal current / cross section					
101 / 25	- / -	- / -	-	-	
Rated cross section					
25	-	-	-	-	
Cross section range					
8 - 2	-	-	-	-	
Supply connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	1.5 - 25	10 - 25	1.5 - 16 1.5 - 10	
Branch connection capacity		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	1.5 - 16	-	1.5 - 10 1.5 - 6	
General data		Stripping length	[mm]		
		16			
		Insulating material	PA		
		Inflammability class according to UL 94	V0		

Description	Color
Terminal block, for mounting on NS 35...	gray black brown blue green

Ordering data			
Type	Order No.	Pcs. / Pkt.	
UDB 2X25/16 GY	3071355	5	
UDB 2X25/16 BK	3071356	5	
UDB 2X25/16 BN	3071357	5	
UDB 2X25/16 BU	3071358	5	
UDB 2X25/16 GN	3071359	5	

Screwdriver
SF-PZSL 1-80 S-VDE

Accessories		
SF-PZSL 1-80 S-VDE	1212699	10
0815677 EML (15X9)R		





35 (35) mm<sup>2</sup>, 125 A, trunk line branch terminal,  
2 x 25 mm<sup>2</sup> feeders

ERIC

#### Technical data

Width	Length	Height NS 35/7,5	
27	55	46	
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
125	400	10 - 35	-
IEC 60998-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
10 - 35	10 - 25	10 - 25	10 - 16
Solid	Stranded	Ferrule without/with plastic sleeve	
1.5 - 25	-	1.5 - 16	1.5 - 10
25			
PA			
V0			

#### Ordering data

Type	Order No.	Pcs. / Pkt.
UDB 2X35/25 GY	3071350	5
UDB 2X35/25 BK	3071351	5
UDB 2X35/25 BN	3071352	5
UDB 2X35/25 BU	3071353	5
UDB 2X35/25 GN	3071354	5

#### Accessories

SF-PZSL 2-100 S-VDE	1212700	10
0815677 EML (15X9)R		

# Terminal blocks

## Accessories

### PSBJ ... test sockets

- The test sockets are tailored to the special applications encountered in the energy supply industry
- The PSBJ... test socket is used in place of the normal bridge screw and ensures the voltage tap on a bridged group of terminal blocks



4 mm test socket, for URTK/S test disconnect terminal blocks



4 mm test socket, for UK terminal blocks with M4 bridge thread

ERC

ERC

#### Ordering data

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
<b>Test socket</b> , insulated, for the URTK/S terminal block, M3.5 thread							
	transparent	PSBJ 3,5/18/6 FARBLOS	0311391	10			
	white	PSBJ 3,5/18/6 WH	0311317	10			
	red	PSBJ 3,5/18/6 RD	0311320	10			
	blue	PSBJ 3,5/18/6 BU	0311333	10			
	yellow	PSBJ 3,5/18/6 YE	0311346	10			
	green	PSBJ 3,5/18/6 GN	0311359	10			
	violet	PSBJ 3,5/18/6 VT	0311362	10			
	gray	PSBJ 3,5/18/6 GY	0311375	10			
	black	PSBJ 3,5/18/6 BK	0311388	10			
<b>Test socket</b> , insulated, can be used only with FBI and ISSBI							
	silver				PSBJ 3/13/4	0201304	10
<b>Test socket</b> , insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread							
	transparent				PSBJ 4/15/6 FARBLOS	0303419	10
	white				PSBJ 4/15/6 WH	0303312	10
	red				PSBJ 4/15/6 RD	0303325	10
	blue				PSBJ 4/15/6 BU	0303354	10
	yellow				PSBJ 4/15/6 YE	0303367	10
	green				PSBJ 4/15/6 GN	0303370	10
	violet				PSBJ 4/15/6 VT	0303383	10
	gray				PSBJ 4/15/6 GY	0303396	10
	black				PSBJ 4/15/6 BK	0303406	10
<b>Test socket</b> , fully isolated, for safety test plugs							
For the UK 5 N terminal block, thread M3	gray						
For the UK 6 N terminal block, thread M4	gray						
Can be used only with FBI 10-6, thread M3	gray						
Can be used only with FBI 10-8, thread M4	gray						
<b>Test socket</b> , insulated							
	transparent						
	red						
	blue						
	yellow						
	green						
	violet						
	black						
	gray						
	brown						
<b>Test socket</b> , fully insulated, touch-proof according to BGV A 2, for 4 mm Ø safety measuring leads, for universal test disconnect terminal block URTK/S, M3.5 thread							
	red						
	blue						
	yellow						
	green						
	violet						
	black						





4 mm test socket, for safety test plugs, for UK terminal blocks



4 mm test socket, for SRTK 6 and URTK 6 test disconnect terminal blocks, M3 thread



4 mm test socket, for safety test plugs, for URTK/S test disconnect terminal blocks

ERC

ERC

ERC

Ordering data			Ordering data			Ordering data		
Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
PSBJ 3/52/6 GY	3048085	10						
PSBJ 4/41/8 GY	3206186	10						
PSBJ 3/50/6 GY	3048098	10						
PSBJ 4/51/8 GY	3206173	10						
			PSBJ-URTK 6 FARBLOS	3026450	10			
			PSBJ-URTK 6 RD	3026719	10			
			PSBJ-URTK 6 BU	3026434	10			
			PSBJ-URTK 6 YE	3026405	10			
			PSBJ-URTK 6 GN	3026418	10			
			PSBJ-URTK 6 VT	3026421	10			
			PSBJ-URTK 6 BK	3026447	10			
			PSBJ-URTK 6 GY	3026612	10			
			PSBJ-URTK 6 BN	3026971	10			
						PSBJ-URTK/S RD	0311744	10
						PSBJ-URTK/S BU	0311757	10
						PSBJ-URTK/S YE	0311731	10
						PSBJ-URTK/S GN	0311760	10
						PSBJ-URTK/S VT	0311773	10
						PSBJ-URTK/S BK	0311728	10

# Terminal blocks

## Accessories

### PSBJ ... test sockets

Notes:
1) For additional test sockets, visit <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a>

- Test sockets are also available for the UGSK/S switchable slide-type terminal blocks for testing tasks with 4 mm Ø safety measuring cables



		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Test socket</b>				
	orange	PSBJ-GSK/S-N OG	<a href="#">3032890</a>	10
	yellow	PSBJ-GSK/S-N YE	<a href="#">3032891</a>	10
	green	PSBJ-GSK/S-N GN	<a href="#">3032892</a>	10
	violet	PSBJ-GSK/S-N VT	<a href="#">3032893</a>	10
	blue	PSBJ-GSK/S-N BU	<a href="#">3032894</a>	10
<b>Test socket, insulated<sup>1)</sup></b>				
	gray			
	brown			
	black			
	red			
	orange			
	white			
	yellow			
	green			
	violet			
	blue			



## Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ 6-T GY	<a href="#">3070316</a>	10
PSBJ 6-T BN	<a href="#">3070317</a>	10
PSBJ 6-T BK	<a href="#">3070318</a>	10
PSBJ 6-T RD	<a href="#">3070319</a>	10
PSBJ 6-T OG	<a href="#">3070320</a>	10
PSBJ 6-T WH	<a href="#">3070324</a>	10
PSBJ 6-T YE	<a href="#">3070326</a>	10
PSBJ 6-T GN	<a href="#">3070327</a>	10
PSBJ 6-T VT	<a href="#">3070328</a>	10
PSBJ 6-T BU	<a href="#">3070329</a>	10

### PSB ... test sockets



- PSB ... test sockets are used for a reliable test connection
- All test sockets are screwed into the bridge shaft
- With the PSB 3/10/4, the test connection is provided by the MPS miniature test plug with 2.3 mm diameter
- With the PSB 6/5/6 and PSB 4/7/6, the test plug with 4 mm diameter is used



Test sockets for UK terminal blocks

ERC

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Test socket</b> For UK 2,5 N, UK 3 N, UK 5 N, URTK/SS terminal blocks, M3 thread	silver	<b>PSB 3/10/4</b>	<a href="#">0601292</a>	10
For the UK 6 N, UK 10 N, UK 16 N terminal blocks, M4 thread	silver	<b>PSB 4/7/6</b>	<a href="#">0303299</a>	10
For UK 35 terminal block, M6 thread	silver	<b>PSB 6/5/6</b>	<a href="#">0205290</a>	10

## PS-... modular test plug

- The PS-...2,3MM modular test plugs can be used to put together individual test adapters
- The test plug reliably makes contact in the bridge shaft and in all test sockets with a 2.3 mm or 4 mm diameter
- The PS-UK ... modular test plugs are simply placed on the bridge shaft of the corresponding terminal block and latched by pressing down the locking pin



ERC

Technical data	
Insulating material	PA
Inflammability class according to UL 94	V0
Temperature range	-40 ... 125 [°C]

## Ordering data

Type	Order No.	Pcs. / Pkt.
PS-MT	0311647	10
PS-IH WH	0311566	10
PS-IH RD	0311579	10
PS-IH BU	0311582	10
PS-IH YE	0311595	10
PS-IH GN	0311605	10
PS-IH VT	0311618	10
PS-IH GY	0311621	10
PS-IH BK	0311634	10
MPS-MT	0201744	10
MPS-MT/ 4MM	3048577	10
PS-5/2,3MM RD	3038723	10
PS-6/2,3MM RD	3038736	10
PS-7,5/2,3MM RD	3038749	10
PS-8/2,3MM RD	3048564	10
PS-UK 2,5 B/E	3001132	10
PS-UK 2,5 B/Z-5	3001226	1
PS-UK 2,5 B/Z-6	3001239	1
PS-UKK/E	3000641	10
PS-UKK 3	3000638	1
PS-UKK 5	3000625	1

ERC

Technical data	
Insulating material	PA
Inflammability class according to UL 94	V2
Temperature range	-40 ... 115

## Ordering data

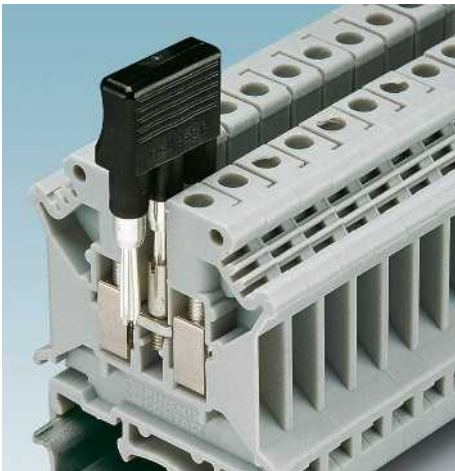
Type	Order No.	Pcs. / Pkt.
PS-UK 2,5 B/E	3001132	10
PS-UK 2,5 B/Z-5	3001226	1
PS-UK 2,5 B/Z-6	3001239	1
PS-UKK/E	3000641	10
PS-UKK 3	3000638	1
PS-UKK 5	3000625	1

## General data

Insulating material	PA
Inflammability class according to UL 94	V0
Temperature range	-40 ... 125 [°C]

Description	No. of pos.	Width	Color
<b>Test plug</b> , consisting of: <b>metal part</b> for 4 mm Ø socket hole And	1	6 mm	white
<b>Insulating sleeve</b> for PS metal part		6 mm	red
		6 mm	blue
		6 mm	yellow
		6 mm	green
		6 mm	violet
		6 mm	gray
		6 mm	black
<b>Test plug metal part</b> , 2.3 mm Ø	1	5 mm	silver
<b>Test plug</b> , consisting of: <b>metal part</b> for 4 mm Ø socket hole And	1	4 mm Ø	silver
<b>Modular test plug housing</b> , for MPS metal part, can be marked with ZB 5	1	5.2 mm	red
<b>Modular test plug housing</b> , for MPS metal part, can be marked with ZBF 6	1	6.2 mm	red
<b>Modular test plug housing</b> , marking with ZBF 7.5	1	7.5 mm	red
<b>Modular test plug housing</b> , marking with ZBF 8	1	8 mm	red
<b>Individual test plug</b> , available as: 1-pos., can be aligned in any number, for terminal blocks UK 2.5 N, UK 3 N, UK 5 N, UK 3-TWIN, UK 5-TWIN	1	5 mm	red
<b>Modular test plug</b> , available as: set of 10 with connection pin, can be snapped together as desired, for UK 2.5 N, UK 3 N, UK 3-TWIN terminal blocks	10	5 mm	red
<b>Modular test plug</b> , available as: set of 10 with connection pin, can be snapped together as desired, for UK 5 N, UK 5-TWIN terminal blocks	10	5 mm	red
<b>An individual double-level test plug</b> , makes contact in the upper and lower level simultaneously, available as: 1-pos., for UKK 3, UKK 3-LOER, UKKB 3, UKK 5, UKK 5-DIO, UKKB 5, UTTB ...	1	7.6 mm	red
<b>Modular double-level test plug</b> , makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 3, UKKB 3, UTTB 2,5	10	54.6 mm	red
<b>Modular double-level test plug</b> , makes contact in the upper and lower level simultaneously, available as: 10-pos. blocks with two connection pins, for UKK 5, UKK 5-DIO, UKKB 5, UTTB 4	10	64.6 mm	red

### KSS ... short-circuit plug



- Short-circuit plugs allow two or more neighboring terminal blocks, fitted with the PSB ... or PSBJ ... test sockets, to be easily short circuited
- The KSSI ... short-circuit plugs are suitable for use on isolated 4 mm test sockets for safety test plugs



2, 3, and 4-pos. short-circuit connectors

ERC

General data		
Material		
Inflammability class according to UL 94		

Technical data		
PA		
V2		

Description	No. of pos.	Color
<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ		
Pitch 5.2 mm	2	black
Pitch 6.2 mm	2	black
Pitch 8.2 mm	2	black
Pitch 10.2 mm	2	black
<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 6.2 mm pitch		
	3	black
<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch		
	4	black
<b>Short-circuit plug</b> , for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		
	2	black
	4	black

Ordering data		
Type	Order No.	Pcs. / Pkt.
<b>KSS 5</b>	<a href="#">2303543</a>	10
<b>KSS 6</b>	<a href="#">0301547</a>	10
<b>KSS 8</b>	<a href="#">0311540</a>	10
<b>KSS 10</b>	<a href="#">0310541</a>	10
<b>KSS 3-6</b>	<a href="#">0309523</a>	10
<b>KSS 4-8</b>	<a href="#">0309549</a>	10
<b>KSSI 2-8</b>	<a href="#">3000722</a>	10
<b>KSSI 4-8</b>	<a href="#">3000735</a>	10



## WS ... warning labels

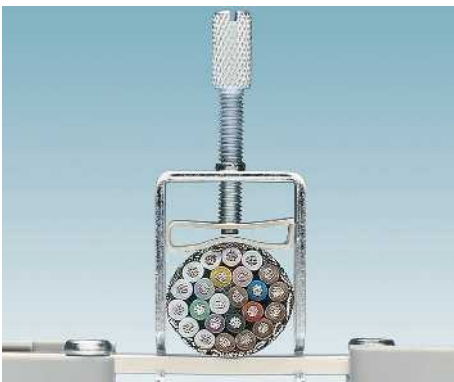
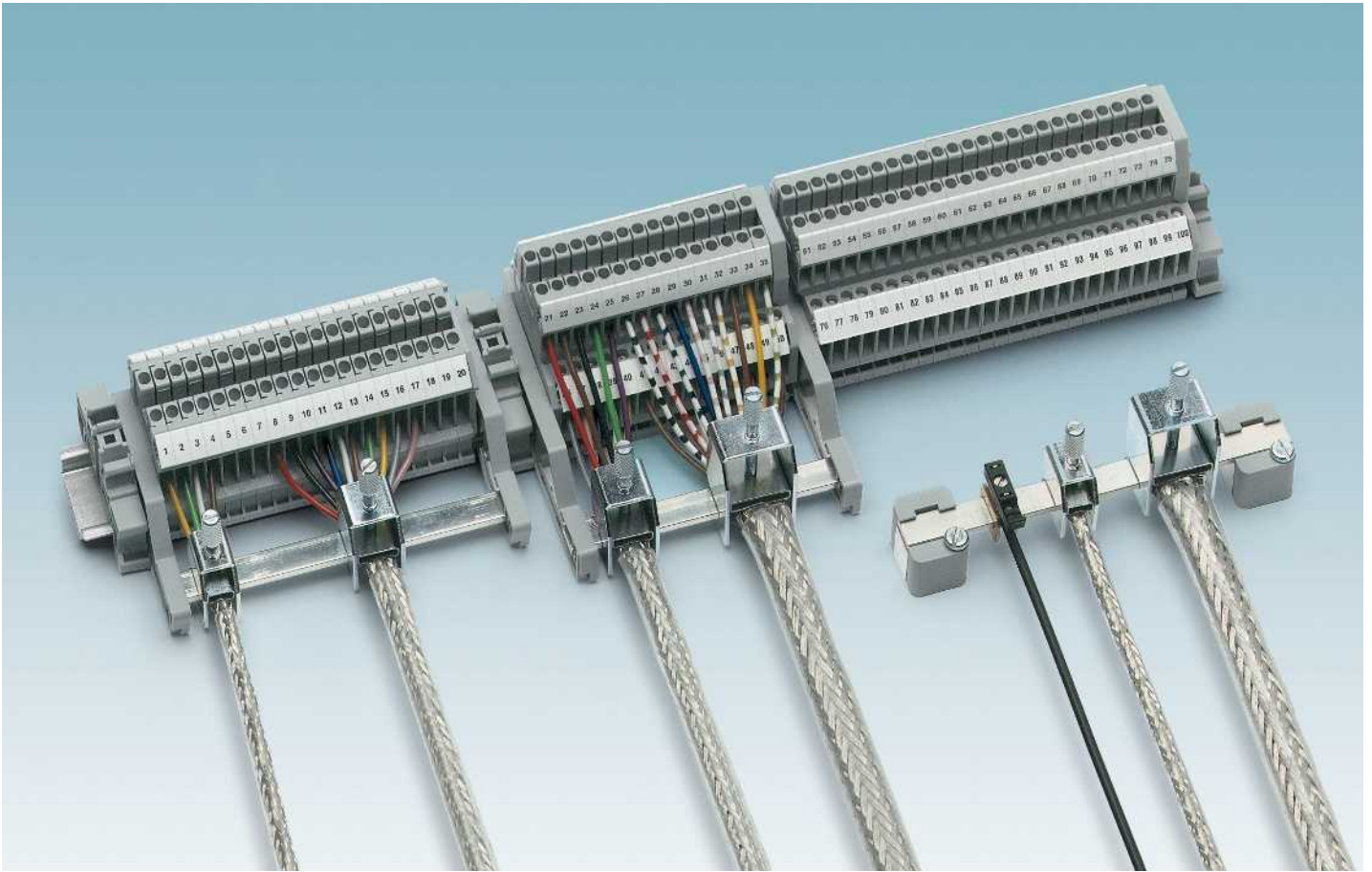


- Network connection terminal blocks are reliably covered and marked using warning labels
- This prevents accidental actuation of the terminal points
- The warning labels are secured in the bridge shafts of the UK ... terminal blocks using plastic screws



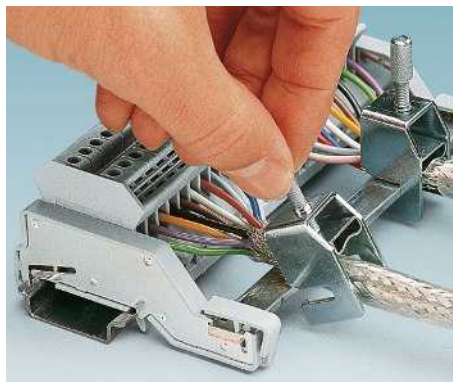
Warning labels for UK feed-through terminal blocks

		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Warning label, with 2 plastic screws, pitch 5 mm</b>				
covers 3 t.b.s	yellow	WS 3-5	0805357	10
covers 4 t.b.s	yellow	WS 4-5	0805344	10
covers 5 t.b.s	yellow	WS 5-5	0805331	10
<b>Warning label, with 2 plastic screws, pitch 6 mm</b>				
covers 3 t.b.s	yellow	WS 3-6	1004115	10
covers 4 t.b.s	yellow	WS 4-6	1004209	10
covers 5 t.b.s	yellow	WS 5-6	1004403	10
<b>Warning label, with 2 plastic screws, pitch 8 mm</b>				
covers 3 t.b.s	yellow	WS 3-8	1004128	10
covers 4 t.b.s	yellow	WS 4-8	1004212	10
covers 5 t.b.s	yellow	WS 5-8	1004416	10
<b>Warning label, with 2 plastic screws, pitch 10 mm</b>				
covers 4 t.b.s	yellow	WS 4-10	1004225	10
covers 5 t.b.s	yellow	WS 5-10	1004429	10
<b>Warning label, with 2 plastic screws, pitch 12 mm</b>				
covers 4 t.b.s	yellow	WS 4-12	0805328	10
covers 5 t.b.s	yellow	WS 5-12	0805315	10
<b>Warning label, with two plastic screws, pitch 15 mm</b>				
covers 4 t.b.s	orange	WS 4-15	1004241	10
covers 5 t.b.s	orange	WS 5-15	1004445	10



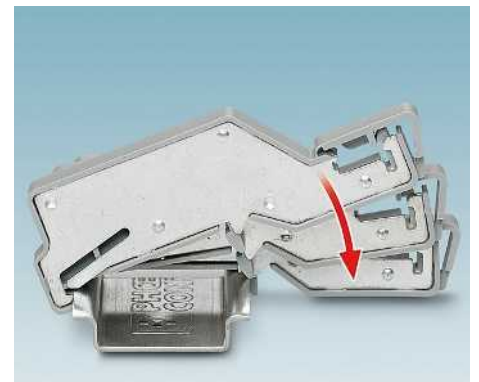
### Large shield support

Shield terminals are suitable for all standard cable shields and allow for EMC-compliant wiring through large surfaces and low-impedance and low-resistance contact transitions.



### Easy to install

The shield connection terminal blocks offer optimum wiring convenience. Only once the terminal strip has been wired is the shield connection terminal block mounted by simply pivoting it into place.



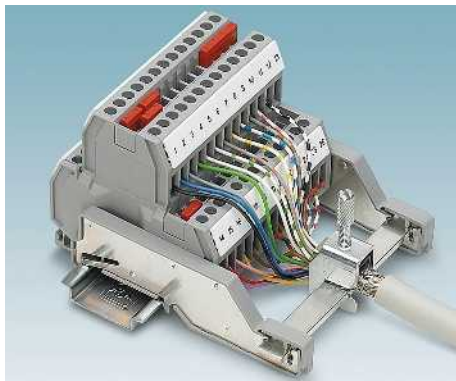
### Safe contact

Phoenix Contact support frames for shield terminals are easily snapped onto the mounting rail. The integrated contact metals allow the ground potential to be automatically connected to the busbar.

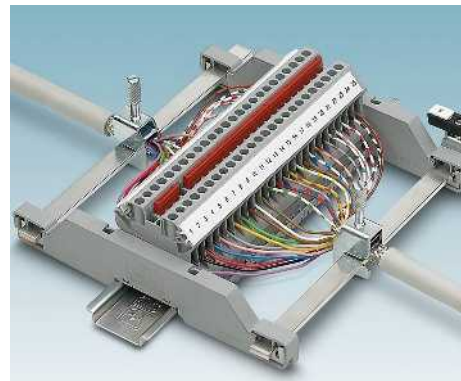




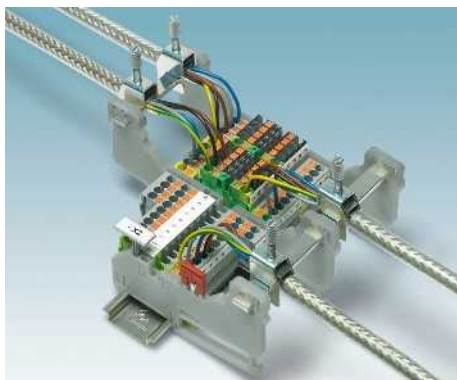
Conductors with a diameter of 2 to 35 mm can make optimum contact with the shield terminals of the SK series without any special tools and are available for various types of mounting.



The single-sided AB-SK shield support frames are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side.



The double support bracket offers simple handling with optimum EMC properties for the two-sided support of a shielded cable. Either an isolated or grounded structure can be used.



The easiest way to wire terminal blocks with a front connection is using AB-SK TOP support frames located above the blocks. The NLS rail can be mounted in the support frames vertically, horizontally or at a 45° angle for optimum conductor placing.



The 3 x 10 mm PEN conductor busbar can also be quickly and safely snapped into the contact zone. The ground potential is thereby automatically connected to the busbar.



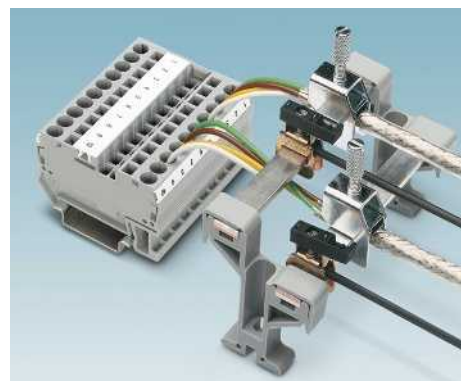
Having the same design as the SK series, shield supports with SK ...-D terminal blocks can also be realized directly on the mounting plate or back wall. The terminal blocks are simply pivoted into the two slots above the conductor.



Support frames with a lateral metal insert for the PEN conductor busbar or T-shaped compact AB-SK/E support frames are used to freely position the shield terminals on the mounting plate.



Alternatively, the shielding can also be connected to ground potential isolated from protective earth ground. An appropriate contact to the PEN conductor busbar is established using a pick-off terminal block.



The easiest way to wire terminal blocks with a front connection is using support frames located above the blocks. This method also allows multi-level terminal blocks with short wiring paths to be connected in compliance with EMC requirements.

# Terminal blocks

## SK ... shield terminals

### SK ... shield terminals

The screw-type shield connection terminal blocks of the SK series are characterized by:

- Simple handling
- Knurled screw
- Spring-loaded, large pressure piece
- Suitability for direct and busbar mounting

**Notes:**  
For dimensional drawings, see page 523



Shield terminals for busbar mounting



Shield terminals for direct mounting

ERC

ERC

Description	Color
<b>Shield terminal</b> , for applying the shield to busbars, contact resistance < 1 mΩ	
Ø 2 - 5 mm, tightening torque 0.4 Nm	silver
Ø 3 - 8 mm, tightening torque 0.6 Nm	silver
Ø 3 - 14 mm, tightening torque 0.8 Nm	silver
Ø 5 - 20 mm, tightening torque 0.8 Nm	silver
Ø 5 - 28 mm, tightening torque 1 Nm	silver
Ø 20 - 35 mm, tightening torque 1.5 - 1.8 Nm	silver
<b>Shield terminal</b> , for applying the shield directly to the conductive mounting plates, plate thickness 1-2 mm	
Ø 2 - 5 mm, tightening torque 0.4 Nm	silver
Ø 3 - 8 mm, tightening torque 0.6 Nm	silver
Ø 3 - 14 mm, tightening torque 0.8 Nm	silver
Ø 5 - 20 mm, tightening torque 0.8 Nm	silver
Ø 5 - 28 mm, tightening torque 1 Nm	silver
Ø 20 - 35 mm, tightening torque 1.5 - 1.8 Nm	silver

Ordering data		
Type	Order No.	Pcs. / Pkt.
SK 5	3025338	10
SK 8	3025163	10
SK 14	3025176	10
SK 20	3025189	10
SK 28	3026997	10
SK 35	3026463	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
SK 5-D	3025406	10
SK 8-D	3026861	10
SK 14-D	3026874	10
SK 20-D	3026887	10
SK 28-D	3027006	10
SK 35-D	3026890	10

**PEN conductor busbar**, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A

Accessories		
Type	Order No.	Pcs. / Pkt.
NLS-CU 3/10 SN 1000MM	0402174	10

Accessories		
Type	Order No.	Pcs. / Pkt.

SKS ... shield terminals

- The SKS ... spring shield terminals are available for cable and conductor diameters of between 3 and 20 mm
- Three different forms of mounting are possible: on NS 35 DIN rails, on busbars or directly on conductive mounting plates



Shield terminals for busbar and direct mounting



Shield terminals for DIN rail mounting

Notes:  
For dimensional drawings, see page 523

ERC

ERC

Ordering data

Ordering data

Description	Color
<b>Shield terminal</b> , for applying the shield to busbars, contact resistance < 1 mΩ	
Ø 3 - 8 mm	silver
Ø 3 - 14 mm	silver
Ø 5 - 20 mm	silver
<b>Shield terminal</b> , for directly applying the shield to conductive mounting plates, metal thickness 1 - 2 mm, with M4 fastening screw	
Ø 3 - 8 mm	silver
Ø 3 - 14 mm	silver
Ø 5 - 20 mm	silver
<b>Shield terminal</b> , with screwfix, mounting on NS 35... DIN rail, for shield support on busbars	
Ø 3 - 8 mm	silver
Ø 3 - 14 mm	silver
Ø 5 - 20 mm	silver
<b>Shield terminal</b> , with snap-on foot, mounting on NS 35... DIN rail, for shield support on busbars	
Ø 3 - 8 mm	silver
Ø 3 - 14 mm	silver
Ø 5 - 20 mm	silver

Type	Order No.	Pcs. / Pkt.
SKS 8	3240210	10
SKS 14	3240211	10
SKS 20	3240212	10
SKS 8-D	3240213	10
SKS 14-D	3240214	10
SKS 20-D	3240215	10

Type	Order No.	Pcs. / Pkt.
SKS 8-NS35	3240216	10
SKS 14-NS35	3240217	10
SKS 20-NS35	3240218	10
SKS 8-SNS35	3062786	10
SKS 14-SNS35	3062799	10
SKS 20-SNS35	3062809	10

Accessories

Accessories

<b>PEN conductor busbar</b> , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A
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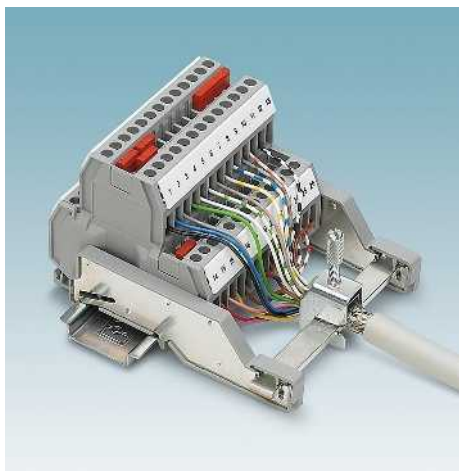
NLS-CU 3/10 SN 1000MM	0402174	10
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NLS-CU 3/10 SN 1000MM	0402174	10
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# Terminal blocks

## SK ... shield terminals

### Support bracket for shield support on one side



#### AB-SK TOP

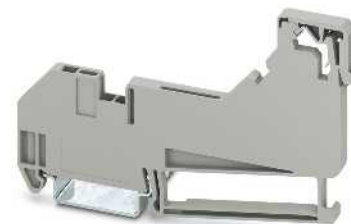
- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally, and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM ... terminal strip marker; see Catalog 5
- Parking facility for FBS jumpers
- End holder function
- For mounting SK and SKS shield terminals

#### AB-SK

- The single-sided shield AB-SK shield support frames are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side
- Available in two lengths
- For mounting SK ... shield terminals

#### AB-SKS

- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- Isolated to DIN rail
- End holder function
- For mounting SK and SKS shield terminals



Support bracket frame, tall, for SK and SKS shield terminals

Dimensions	[mm]
Width	5.2
Length	102.4
Height NS 35/7,5	63.2

General data	
Material	PA

Description	Color
<b>Support bracket frame with end holder function</b> , for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield terminals	gray
<b>Support bracket with end holder function</b> , for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield terminals	gray
<b>Support bracket</b> , for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray
<b>Support bracket</b> , 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray
<b>Support bracket with end holder function</b> , for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield terminals	gray

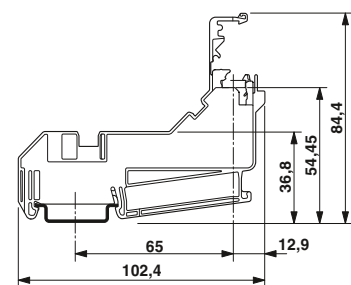
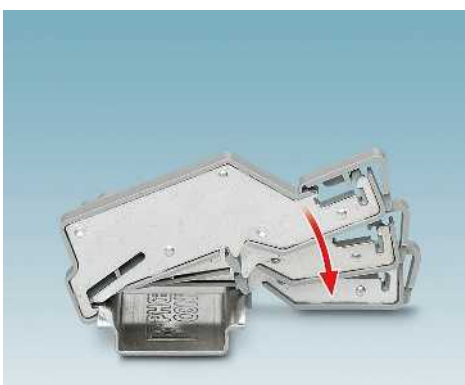
<b>PEN conductor busbar</b> , 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver
---	--------

Lateral groove marking
Lateral groove marking

Technical data		
Width	Length	Height NS 35/7,5
5.2	102.4	63.2
Material		
PA		

Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK TOP	3062090	10
AB-SK TOP INSULATED	3062074	10

Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)		
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)		



AB-SK TOP



Support bracket frame, for SK ... shield terminals



Support bracket, 65 mm long, for SK ... shield terminals



Isolated support bracket, tall, for SK and SKS shield terminals

Technical data		
Width	Length	Height NS 35/7,5
6.2	77.35	28.7
PA		

Technical data		
Width	Length	Height NS 35/7,5
6.2	95.5	28.7
PA		

Technical data		
Width	Length	Height NS 35/7,5
9.5	97.8	46.9
PA		

Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK	3025341	10

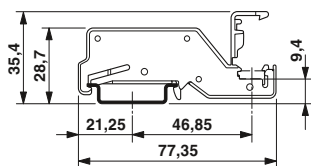
Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK 65	3026489	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SKS 60	3240223	10

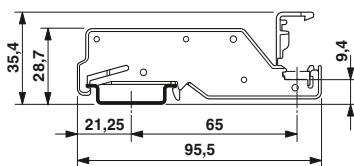
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

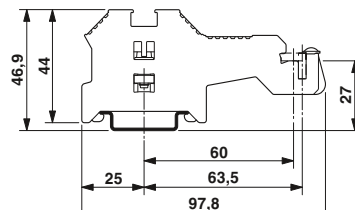
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK



AB-SK 65

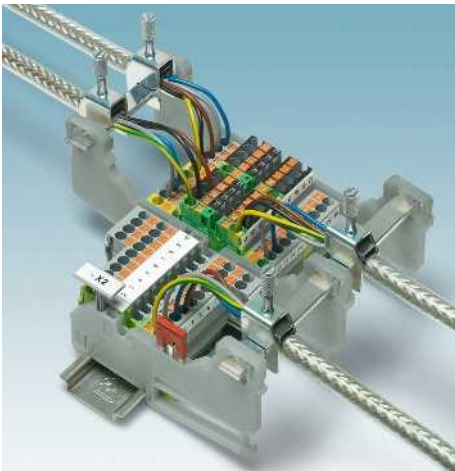


AB-SKS 60

# Terminal blocks

## SK ... shield terminals

### Double support bracket for shield support on both sides



#### AB-SK-D TOP

- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support frames vertically, horizontally, and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM ... terminal strip marker; see Catalog 5
- Parking facility for bridges and connectors
- For mounting SK and SKS shield terminals

#### AB-SK 65-D

- The double shield support frames are particularly well suited to space-saving conductor connections for terminal blocks and devices with cable entry at the side
- Available in two lengths
- For mounting SK ... shield terminals



Double support bracket, tall, for SK and SKS shield terminals

Dimensions	[mm]
Width	5.2
Length	155.8
Height NS 35/7,5	-

General data	
Material	PA

Description	Color
Double support bracket with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK and SKS shield terminals	gray

Double support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for SK and SKS shield terminals	gray
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Double support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray
--	------

Double support bracket, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, SK ... shield terminals	gray
--	------

PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A	silver
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Lateral groove marking	
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Lateral groove marking	
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Technical data		
Width	Length	Height NS 35/7,5
5.2	155.8	-

Material	PA
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#### Ordering data

Type	Order No.	Pcs. / Pkt.
AB-SK-D TOP	3062100	10

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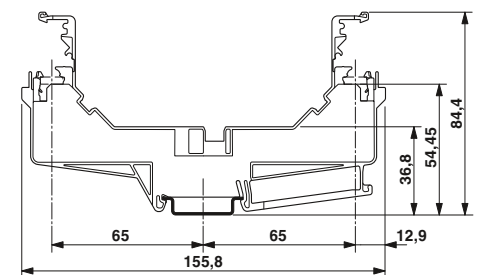
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#### Accessories

NLS-CU 3/10 SN 1000MM	0402174	10
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UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)		
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UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)		
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AB-SK-D TOP



Isolated, double support bracket, tall, for SK and SKS shield terminals



Double support bracket, tall, for SK ... shield terminals



Isolated, double support bracket, tall, for SK ... shield terminals

Technical data		
Width	Length	Height NS 35/7,5
5.2	155.8	-
PA		

Technical data		
Width	Length	Height NS 35/7,5
8.2	150	28.7
PA		

Technical data		
Width	Length	Height NS 35/7,5
8.2	150	28.7
PA		

Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK-D TOP INSULATED	3062087	10

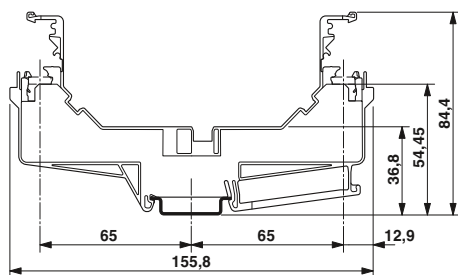
Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK 65-D	3026900	10

Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK 65-D INSULATED	3040889	10

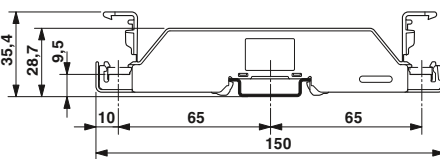
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 5)		
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 5)		

Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10

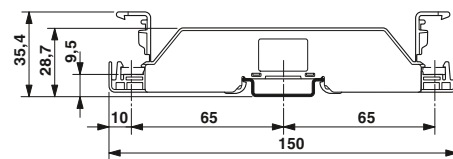
Accessories		
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

# Terminal blocks

## SK ... shield terminals

### Support bracket frame for direct mounting

- The support frames are available in the following versions:
- AB/SS for isolated installation on the mounting plate and
  - AB/SS-M for non-isolated installation on the mounting plate
  - For mounting SK and SKS shield terminals

**Notes:**  
For dimensional drawings, see [phoenixcontact.net/products](http://phoenixcontact.net/products)

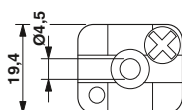
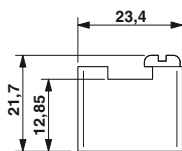


Support bracket for SK ... shield terminals

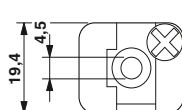
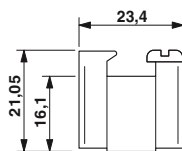


Support bracket for SK ... shield terminals and SKS

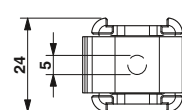
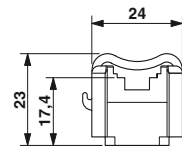
General data		Technical data			Technical data		
Material		PA			PA		
Description		Ordering data			Ordering data		
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
	gray	AB/SS	0404428	10			
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars							
	gray	AB/SS-M	3025888	10			
Support bracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars					AB/SKS	3240224	10
	gray						
PEN conductor busbar, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A		Accessories			Accessories		
	silver	NLS-CU 3/10 SN 1000MM	0402174	10	NLS-CU 3/10 SN 1000MM	0402174	10



AB/SS



AB/SS-M



AB/SKS



Multi-level support bracket for direct mounting



- Double and triple support frames for different busbars
- Type allows for an extremely compact design using large amounts of wiring, e. g. for multi-level front connection terminal blocks
- Support frames are isolated
- Direct mounting



Support bracket, multi-level, insulated

General data

Material	
Description	
<p><b>Double support bracket</b>, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm neutral busbar</p>	
Height 48 mm	gray
Height 36.8 mm	gray
<p><b>Triple support bracket</b>, made from isolation material</p>	
Color	
<p><b>PEN conductor busbar</b>, 3 x 10 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A</p>	
Color	
<p><b>PEN conductor busbar</b>, according to DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: copper, tin-plated, nominal current: 140 A</p>	
Color	

Technical data

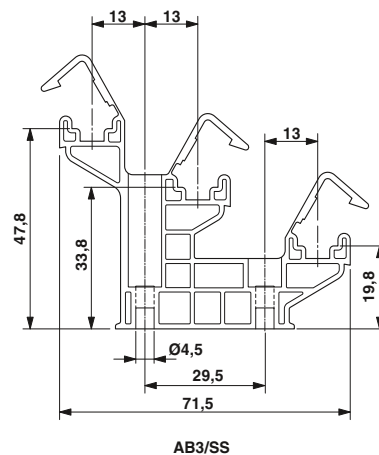
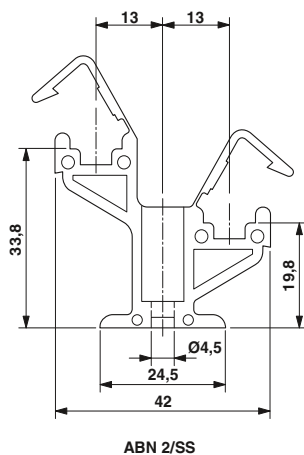
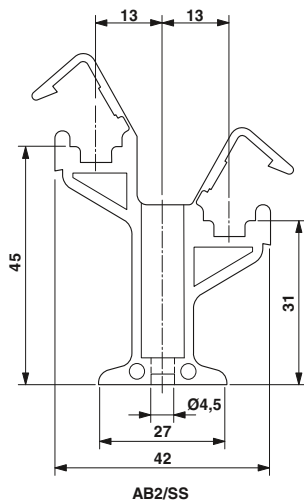
PA

Ordering data

Type	Order No.	Pcs. / Pkt.
AB2/SS	0404431	10
ABN 2/SS	0404460	10
AB3/SS	0800086	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10
NLS-CU 6/6 SN 1000MM	0402161	10



# Terminal blocks

## SK ... shield terminals

### Support bracket frame for direct and DIN rail mounting

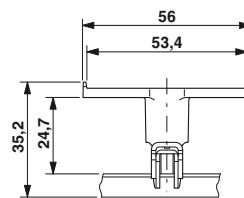


- T-shaped support frames for space-saving direct mounting and free positioning on the mounting plate
- Suitable for shield terminals SK 5 to SK 14, SKS 8 and SKS 14
- Version for NS 35 DIN rail mounting

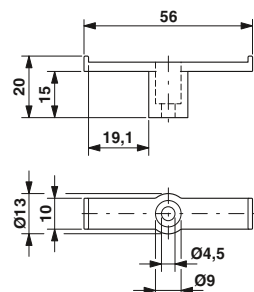


General data	
Material	Aluminum
Description	Color
<b>Support bracket</b> , for direct mounting with contacting on the mounting surface	silver
<b>Support bracket frame</b> , for mounting on NS 35 DIN rails	silver

Technical data		
Ordering data		
Type	Order No.	Pcs. / Pkt.
AB-SK/E	3026476	10
AB-SK/E-NS 35	3213111	10



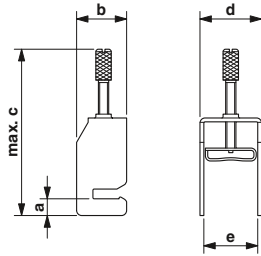
AB-SK/E-NS 35



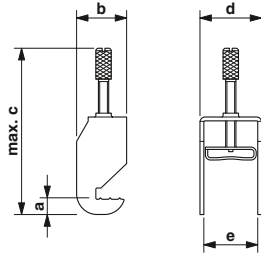
AB-SK/E

SK shield terminals

Dimensions in mm					
	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



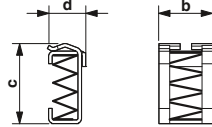
SK ...



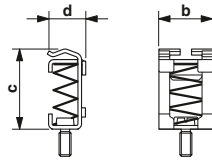
SK ...-D

SKS shield terminals

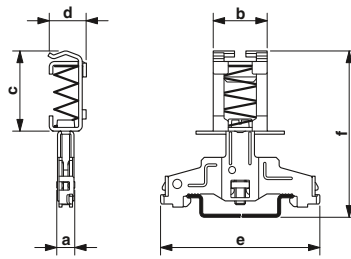
Dimensions in mm						
	a	b	c	d	e	f
SKS 8	-	18	26	12.4	-	-
SKS 14	-	21	32	19	-	-
SKS 20	-	27	40.5	24.7	-	-
SKS 8-D	-	18	26	12.4	-	-
SKS 14-D	-	21	32	19	-	-
SKS 20-D	-	27	40.5	24.7	-	-
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

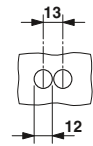
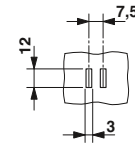


SKS ...-NS35

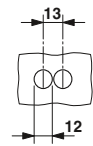
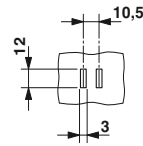
Drilling and punching patterns for SK...-D

Punching template

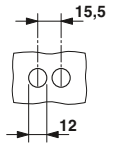
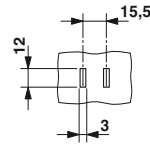
Drilling plan



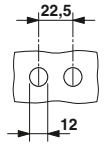
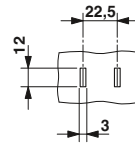
SK 5-D



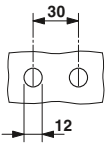
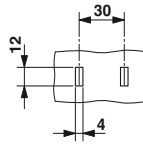
SK 8-D



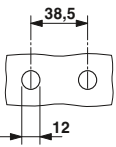
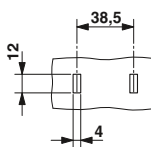
SK 14-D



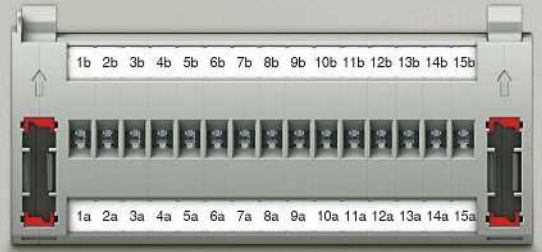
SK 20-D



SK 28-D



SK 35-D



# Sector-specific solutions

With CLIPLINE complete, the right terminal block system is available for every industry.

The various connection technologies cover the requirements of all applications and uses. Numerous international approvals and comprehensive standard tests ensure safe usage in all branches of industry.

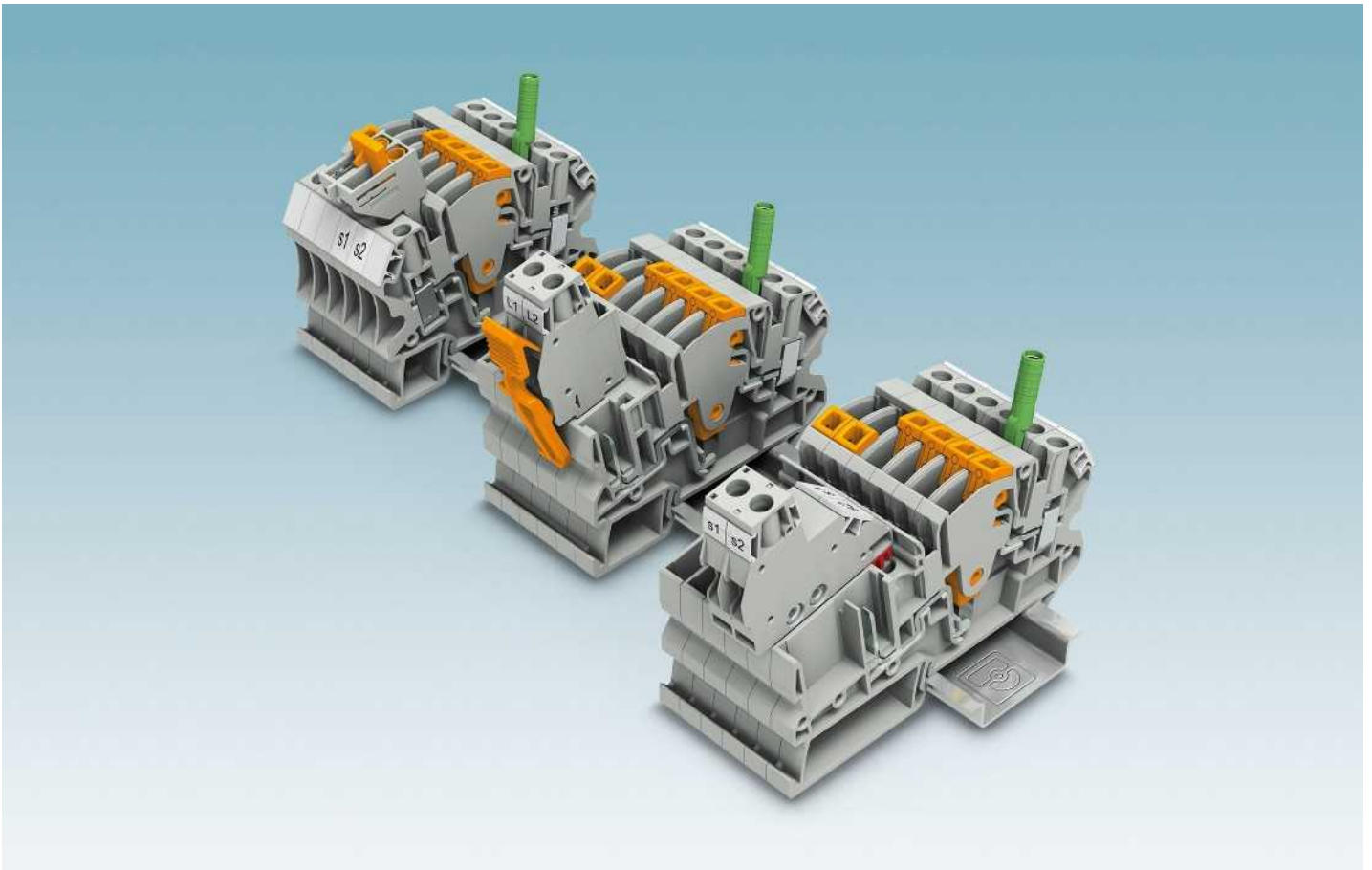
Special requirements, such as those affecting the rail industry, shipbuilding or explosion-protected areas in process technology and process engineering, are also taken into account.

We also offer innovative solutions for industry-specific requirements, such as:

- Modular products with system accessories for current transformer test circuits in energy technology
- Marshalling terminals for space-saving, clear wiring in process technology
- Tailor-made solutions to satisfy the requirements of photovoltaics and building installation

## Product range overview

<b>Solutions for energy technology</b>	<b>526</b>
Test disconnect terminal blocks for DIN rail mounting	<b>526</b>
Modular plug-in test system without operating plug	<b>528</b>
Modular plug-in test system with operating plug	<b>560</b>
Rotary switches	<b>568</b>
<b>Solutions for process technology</b>	<b>582</b>
<b>Solutions for photovoltaics</b>	<b>584</b>
<b>Solutions for building installation</b>	<b>586</b>

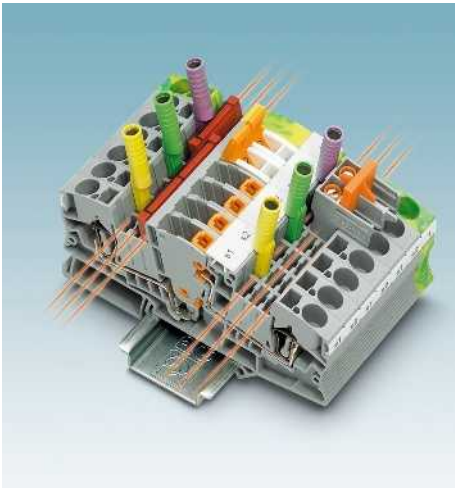


Phoenix Contact has provided the power supply sector with test disconnect terminal blocks for all current transformer and voltage transducer applications for many decades. In addition to the standard terminal blocks, the test disconnect terminal blocks are an integral part of the Phoenix Contact product portfolio. The new ME series test disconnect terminal blocks from the CLIPLINE complete system enable the easy and individual structuring of measuring transducer sets. The plug-in accessories for testing and short circuiting the current transformers as well as the potential distribution can be placed within the terminal strip according to the application. All switching statuses within the terminal strip are clearly visible.

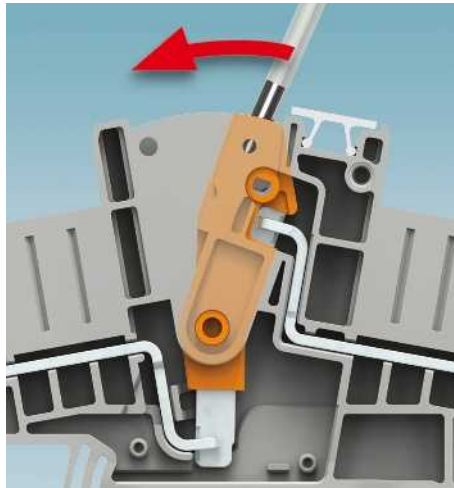
Consistent use of plug-in CLIPLINE complete system accessories helps to reduce mounting and storage costs. This series is also available with screw, spring-cage, and push-in connection technology. The current transformers and voltage transducers can be wired particularly conveniently thanks to the plug-in test disconnect terminal blocks. When the patented current transformer plugs are removed, an automatically leading short circuit is ensured. By using the appropriate encoding and strain relief accessories, the measuring transducers can also be connected in a modular and plug-in fashion.

This means that these test disconnect terminal blocks are ideally suited to control and measuring technology - from the counter (smart metering) right up to the secondary technology of switchgear and power stations.

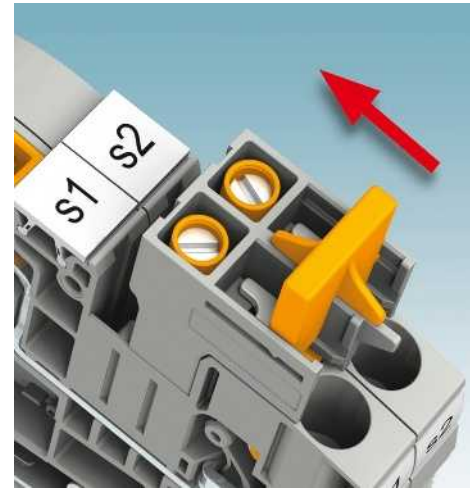
**The corresponding test disconnect terminal blocks can be found in the relevant sections on the respective connection technologies.**



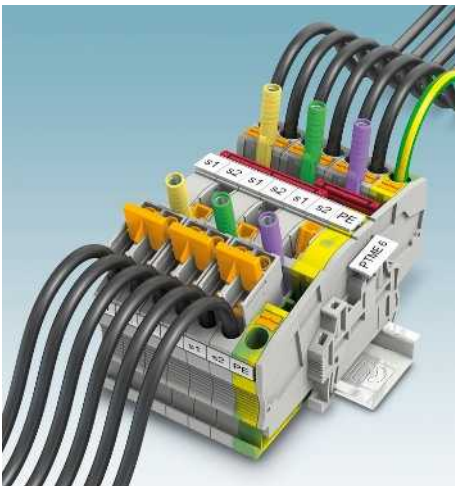
The triple function shaft on both sides of the longitudinal disconnect point enables the manual placement of bridging, testing, and switching accessories. Non-adjacent jumpers also allow the star point to be formed conveniently within the terminal strip, without the need for additional wire jumpers.



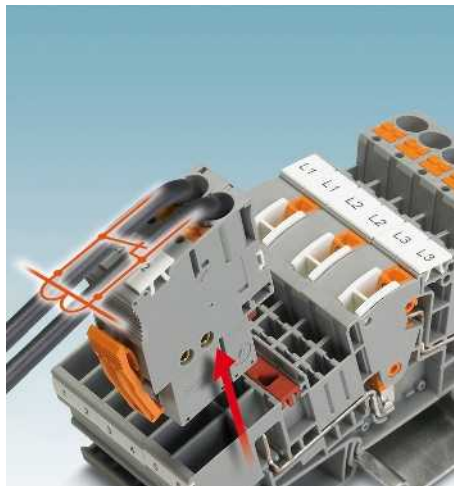
The lengthwise disconnecter reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview within the measuring transducer terminal strip.



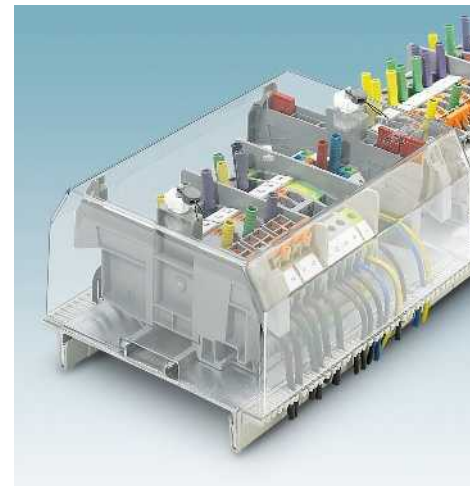
The plug-in current transformer short-circuit jumpers can be used individually, based on the switching task, in the function shafts of the terminal blocks. The switching jumper disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.



Feed-through and PE terminal blocks of the same shape are also available for the test/disconnect terminal blocks. They simplify the addition of attachments to the terminal strip and also enable convenient star point grounding within the terminal strip.



The plug-in current transformer disconnect terminal blocks and plugs also enable the safe plug-in wiring of current transformers. When the transformer plug is removed, a leading current transformer short circuit is automatically ensured. Additional encoding accessories prevent the polarity of the plug from being reversed.

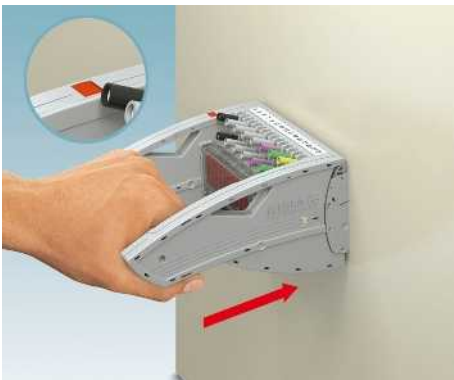


Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on the measuring transducer strip in a way which protects them against external influences and manipulation.

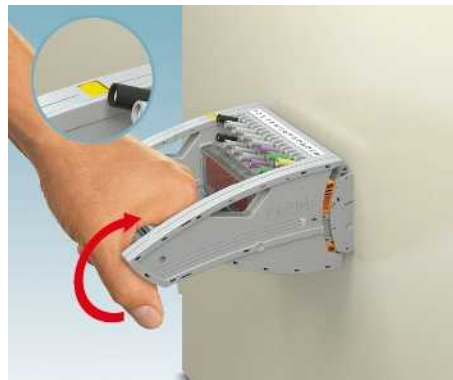


FAME is the innovative plug-in test system for all measuring and testing tasks in network protection technology for medium- and high-voltage switchgear. With the modular system, you can now perform manual testing operations automatically, safely, and more quickly. Suitable for every application, the modular system can be directly integrated into the control cabinet panel or used as a DIN rail version.

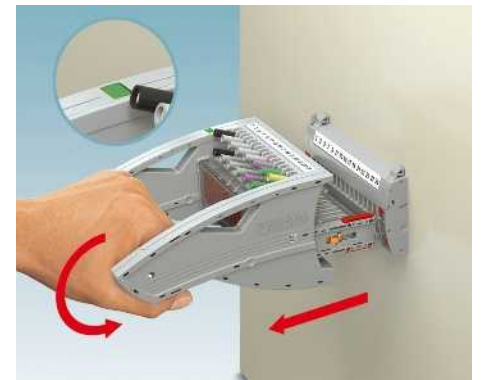
**i** Your web code: #0131



The test plug is completely inserted and engaged, the display window turns red. All test contacts are contacted according to the test setup.

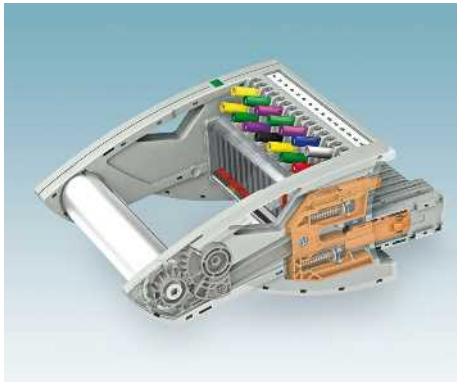


The twist grip is turned upward as far as it will go, the display window turns yellow. Test contacts with short contact tab lengths (e.g., current transformers) are once again connected to the protective device.

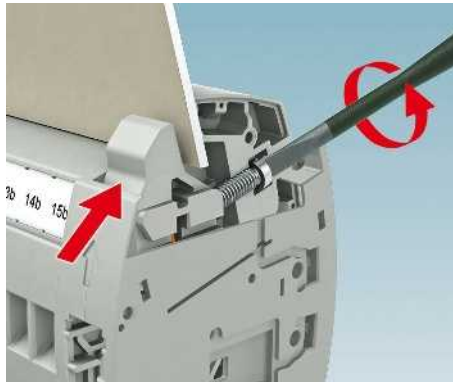


The twist grip must be turned back to its starting position. Now the mechanism releases the plug so it can be fully removed. The display window turns green.

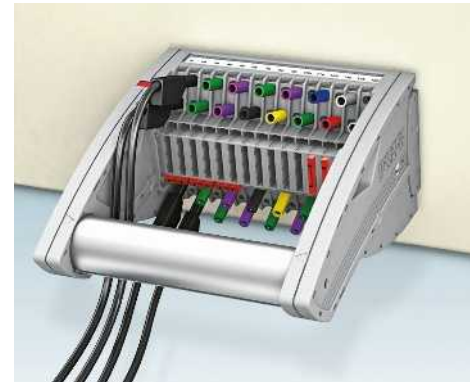




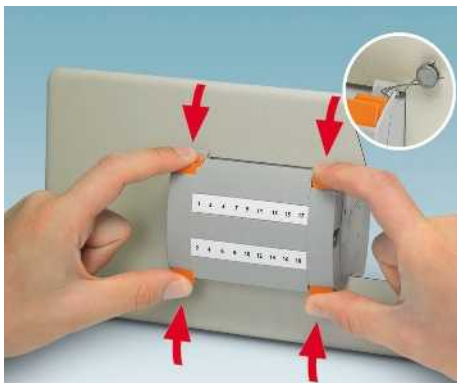
Preprogrammed short-circuit and switching operations depend on consistent insertion and removal of the test plug. Undefined contact states are effectively avoided thanks to the twist grip mechanism.



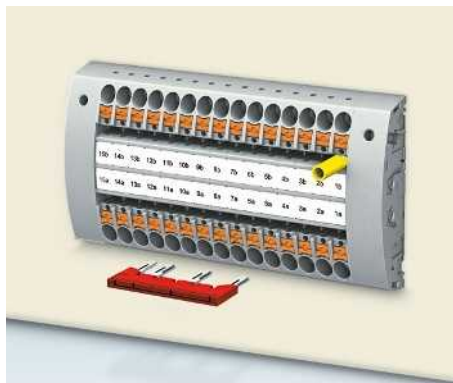
The patented wall fastening is easy to use and has a robust design. Even tolerances in the panel cutout of up to 4 mm are compensated.



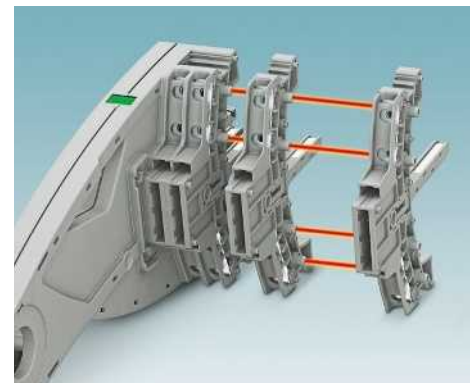
The offset test socket arrangement enables the use of CAT III and CAT IV/1000 V safety test leads according to EN 61010-031 in a confined space.



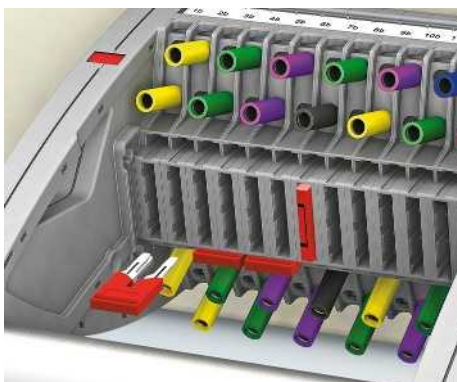
FAME test terminal strips have an IP20 design. Blind plugs without switching function can be inserted and secured with seals. These can only be released with two-hand operation.



In addition to the two marking grooves, the test terminal strips for wall mounting also offer two function shafts, or six function shafts in the case of the DIN rail version, inside the control cabinet for forming and grounding the star point.



The compact and modular design of the system, as well as the plugs and test terminal strips, provides an extensive range of options for every application with positions from 4 to 25.



The test plug provides three function shafts between the 4 mm test contacts. Horizontally aligned, as leading short-circuit jumper - vertically aligned as through connection in the plug.



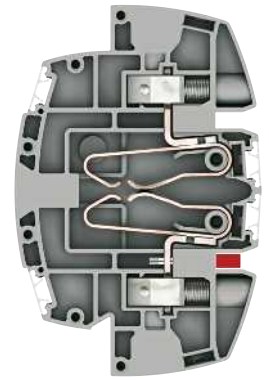
The coding profiles can be applied by the user according to their application. VDE-compliant versions are pre-coded on delivery. This ensures maximum safety.



All applications which do not involve testing through the closed door and the open rack mounting can be implemented with the DIN rail version. Terminal points and plug-in zone can be operated from one direction.

# FAME 2

## Modular plug-in test system without operating plug

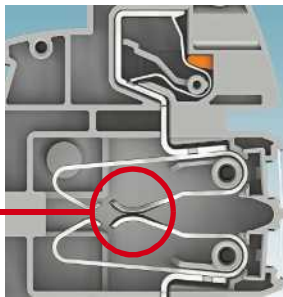


The new, modular FAME 2 measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer short circuits automatically when the test plug is inserted. The time-controlled signal sequence when pulling out the plug is prompted by the patented twist grip mechanism. In conjunction with the comprehensive shock protection, this provides maximum safety when measuring.

Due to the FAME 2 system's opening function, additional operating plugs are not required for normal operation.

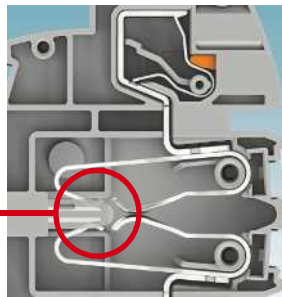
### Normal operation

Closed N/O contact



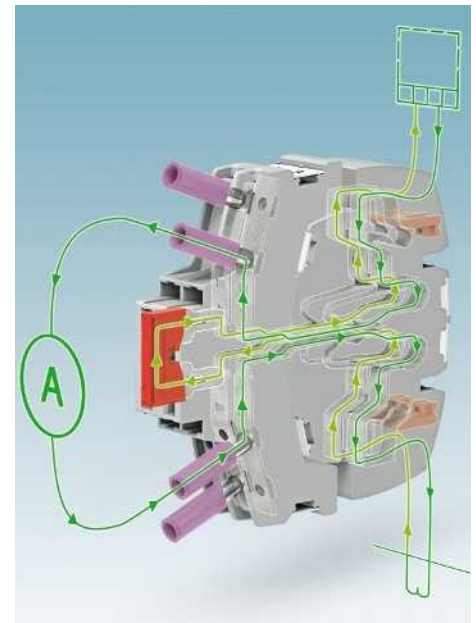
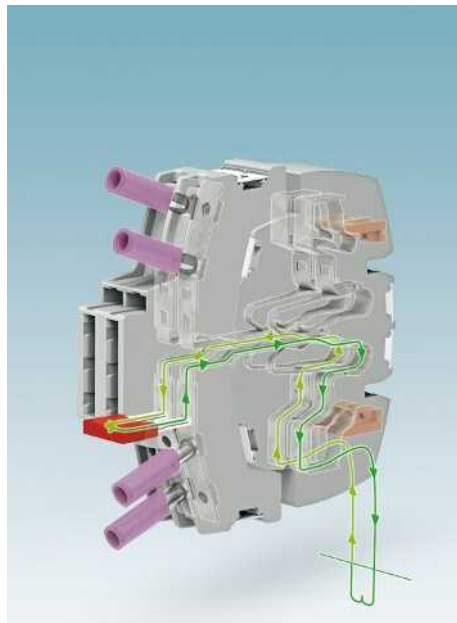
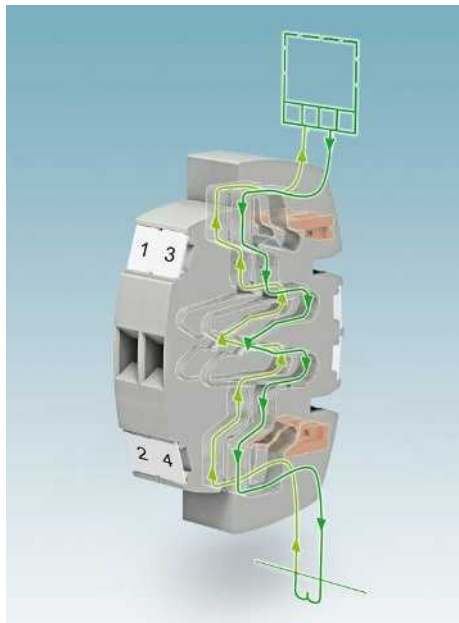
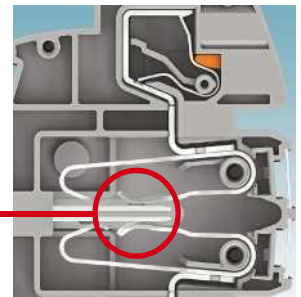
### Transformer short circuit

Leading short circuit by means of auxiliary contact



### Test operation

N/O contact connected via test socket



### Normal operation

Additional operating plugs are not required for normal operation; the measuring transducer operates safely and reliably. Optionally, the plug-in zone can be covered with a blind plug to prevent unauthorized access.

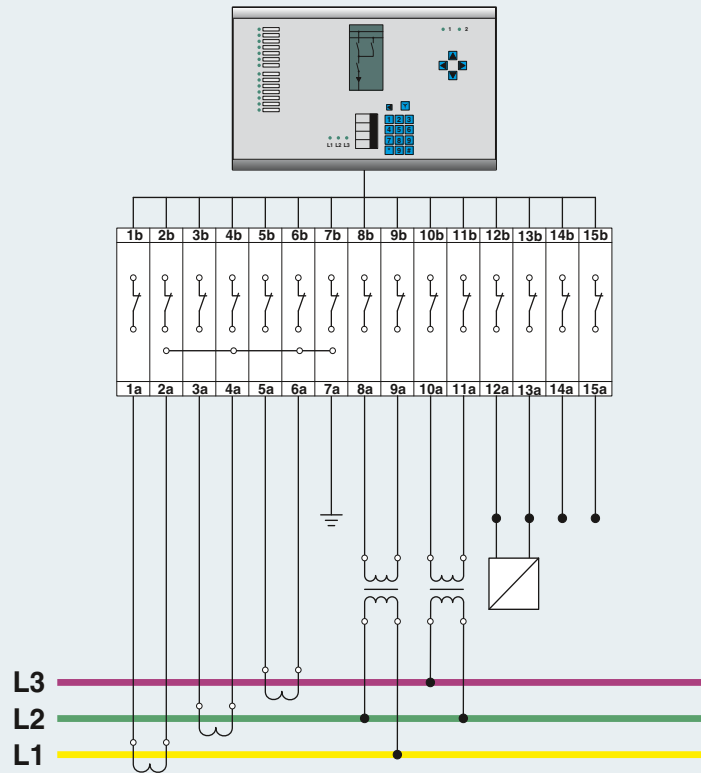
### Transformer short circuit

When replacing the protective device or even in the case of a relay test, a leading short circuit of the current transformer ahead of the signal splitting can be easily carried out by means of a jumper inserted crossways. Connected measuring transducers are safely protected against damage.

### Test operation

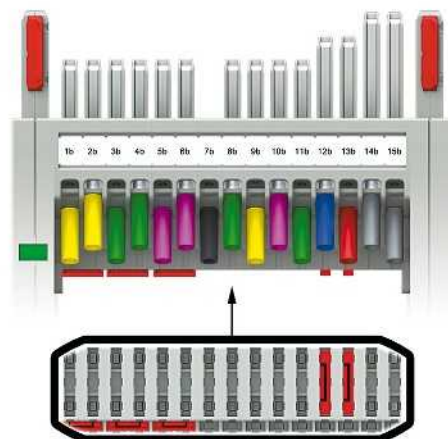
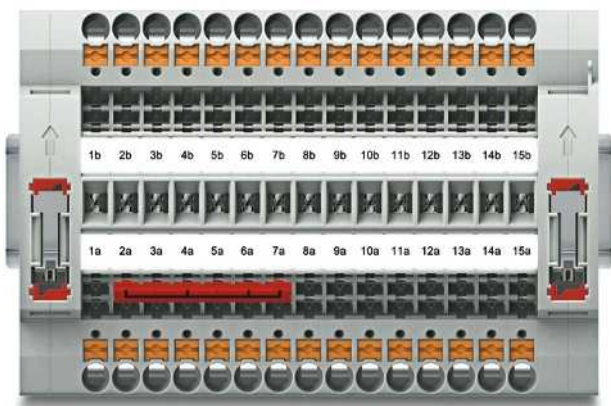
With the jumper simply inserted lengthways in the test plug, test equipment can be easily looped into the current path via the 4 mm test sockets.

Mains protection – circuit example with star point grounding in the test terminal strip



Test terminal strip for DIN rail mounting with current transformer, voltage transducer, and signals

Test plug with current transformer, voltage transducer, and signals



Test terminal strip, blind plug

Order No.	Type	Required quantity
3069864	PTRE 6-2/15	1
3069886	FBP 2/15	1

Jumper

3032470	FBS 6-8	1
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Test plug

Order No.	Type	Required quantity
3001693	FTPR 2/15	1

Jumper

3030284	FBS 2-8	3
3032363	FBS 1/3-8	2

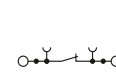
### Test terminal strip, with push-in connection or screw connection



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer is short-circuited and the test device is looped in automatically when inserted.

- The test terminal strips can be used universally for current and voltage transducers
- The test terminal strip can be mounted on the control cabinet door or on the DIN rail
- Signal and status messages can be wired in combination in a test terminal strip
- The correct switching sequence when removing the test plug is ensured by a locking device and a mechanical drive in the twist grip
- All test signals can be connected with touch-proof safety test leads (CAT III and CAT IV/1000 V according to EN 61010-031)
- All versions listed can be equipped with coding for the matching test plug
- Star points of the current transformer can easily be created in the test terminal strip on the rear by means of FBS jumpers
- You can find corresponding accessories from page 537

Notes:
To create panel cutouts, see phoenixcontact.net/products.
For further jumpers, see page 538.
1) Derating curve available on request.
2) Rated surge voltage: 4 kV.



6 (10) mm<sup>2</sup>, 30 A, 4 ... 25-pos. test terminal strip, for wall mounting, push-in connection



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 20 - 8
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ] 0.5 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ] -
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
Plug-in connection cross sections	[mm <sup>2</sup> ] 1 - 10
<b>General data</b>	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
<b>Connection capacity</b>			
		Ferrule	
		without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ] 0.5 - 10	0.5 - 6	0.5 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ] -	-	-
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -	-	0.5 - 1.5
Plug-in connection cross sections	[mm <sup>2</sup> ] 1 - 10	1 - 6	1 - 6
<b>General data</b>			
Stripping length	[mm] 12		
Tightening torque for wall fastening	[Nm] 0.8 - 1		
Panel thickness	[mm] 1 - 4		
Insulating material	PA		
Inflammability class according to UL 94	V0		

Description	Color
<b>Test terminal strip, 4-pos.</b>	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
13-pos.	gray
14 pos.	gray
15-pos.	gray
16-pos.	gray
17-pos.	gray
18-pos.	gray
19 pos.	gray
20 pos.	gray
21 pos.	gray
22 pos.	gray
23-pos.	gray
24-pos.	gray
25 pos.	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/4	3069827	1
PTWE 6-2/5	3069828	1
PTWE 6-2/6	3069829	1
PTWE 6-2/7	3069830	1
PTWE 6-2/8	3069831	1
PTWE 6-2/9	3069832	1
PTWE 6-2/10	3069833	1
PTWE 6-2/11	3069834	1
PTWE 6-2/12	3069835	1
PTWE 6-2/13	3069836	1
PTWE 6-2/14	3069837	1
PTWE 6-2/15	3069838	1
PTWE 6-2/16	3069839	1
PTWE 6-2/17	3069840	1
PTWE 6-2/18	3069841	1
PTWE 6-2/19	3069842	1
PTWE 6-2/20	3069843	1
PTWE 6-2/21	3069844	1
PTWE 6-2/22	3069845	1
PTWE 6-2/23	3069846	1
PTWE 6-2/24	3069847	1
PTWE 6-2/25	3069848	1

Cover profile, supply length 1 m	transparent
Cover profile holder, can be snapped on and sealed	gray
Cover profile, supply length 1 m	transparent
End bracket, for AP-ME cover profile	gray
Holder, for AP-ME cover profile	gray
Screwdriver	

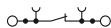
Accessories		
AP RSC-T	3059139	10
APH-UTWE 6-2	3069057	10
SF-SL 0,8X4,0-100	1212551	10

Lateral groove marking

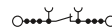
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)



6 (10) mm<sup>2</sup>, 30 A, 4 ... 25-pos. test terminal strip, for DIN rail mounting, push-in connection



6 (10) mm<sup>2</sup>, 30 A, 4 ... 25-pos. test terminal strip, for wall mounting, screw connection



6 (10) mm<sup>2</sup>, 30 A, 4 ... 25-pos. test terminal strip, for DIN rail mounting, screw connection



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC			
UL			
CSA			
IEC/EN 60079-7			
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid			
Stranded			
Ferrule			
without/with plastic sleeve			
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	-
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12	-	-	-
-	-	-	-
PA	-	-	-
V0	-	-	-

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC			
UL			
CSA			
IEC/EN 60079-7			
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid			
Stranded			
Ferrule			
without/with plastic sleeve			
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
12	-	-	-
0.8 - 1	-	-	-
1 - 4	-	-	-
PA	-	-	-
V0	-	-	-

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC			
UL			
CSA			
IEC/EN 60079-7			
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid			
Stranded			
Ferrule			
without/with plastic sleeve			
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
10	-	-	-
0.8 - 1	-	-	-
1 - 4	-	-	-
PA	-	-	-
V0	-	-	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTRE 6-2/4	3069849	1
PTRE 6-2/5	3069850	1
PTRE 6-2/6	3069851	1
PTRE 6-2/7	3069852	1
PTRE 6-2/8	3069853	1
PTRE 6-2/9	3069854	1
PTRE 6-2/10	3069855	1
PTRE 6-2/11	3069860	1
PTRE 6-2/12	3069861	1
PTRE 6-2/13	3069862	1
PTRE 6-2/14	3069863	1
PTRE 6-2/15	3069864	1
PTRE 6-2/16	3069865	1
PTRE 6-2/17	3069866	1
PTRE 6-2/18	3069867	1
PTRE 6-2/19	3069868	1
PTRE 6-2/20	3069869	1
PTRE 6-2/21	3069870	1
PTRE 6-2/22	3069871	1
PTRE 6-2/23	3069872	1
PTRE 6-2/24	3069873	1
PTRE 6-2/25	3069874	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/4	3069650	1
UTWE 6-2/5	3069651	1
UTWE 6-2/6	3069652	1
UTWE 6-2/7	3069654	1
UTWE 6-2/8	3069655	1
UTWE 6-2/9	3069656	1
UTWE 6-2/10	3069658	1
UTWE 6-2/11	3069659	1
UTWE 6-2/12	3069660	1
UTWE 6-2/13	3069662	1
UTWE 6-2/14	3069663	1
UTWE 6-2/15	3069664	1
UTWE 6-2/16	3069666	1
UTWE 6-2/17	3069667	1
UTWE 6-2/18	3069668	1
UTWE 6-2/19	3069672	1
UTWE 6-2/20	3069673	1
UTWE 6-2/21	3069800	1
UTWE 6-2/22	3069801	1
UTWE 6-2/23	3069802	1
UTWE 6-2/24	3069803	1
UTWE 6-2/25	3069804	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTRE 6-2/4	3069805	1
UTRE 6-2/5	3069806	1
UTRE 6-2/6	3069807	1
UTRE 6-2/7	3069808	1
UTRE 6-2/8	3069809	1
UTRE 6-2/9	3069810	1
UTRE 6-2/10	3069811	1
UTRE 6-2/11	3069812	1
UTRE 6-2/12	3069813	1
UTRE 6-2/13	3069814	1
UTRE 6-2/14	3069815	1
UTRE 6-2/15	3069816	1
UTRE 6-2/16	3069817	1
UTRE 6-2/17	3069818	1
UTRE 6-2/18	3069819	1
UTRE 6-2/19	3069820	1
UTRE 6-2/20	3069821	1
UTRE 6-2/21	3069822	1
UTRE 6-2/22	3069823	1
UTRE 6-2/23	3069824	1
UTRE 6-2/24	3069825	1
UTRE 6-2/25	3069826	1

Accessories		
AP-ME	METER	3034361 10
APH-ME		3034374 10
APT-ME		3034358 10
SF-SL 0,8X4,0-100		1212551 10

Accessories		
AP RSC-T		3059139 10
APH-UTWE 6-2		3069057 10
SF-SL 0,8X4,0-100		1212551 10

Accessories		
AP-ME	METER	3034361 10
APH-ME		3034374 10
APT-ME		3034358 10
SF-SL 0,8X4,0-100		1212551 10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R  
(see Catalog 5)

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R  
(see Catalog 5)

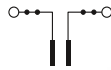
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R  
(see Catalog 5)

# Sector-specific solutions

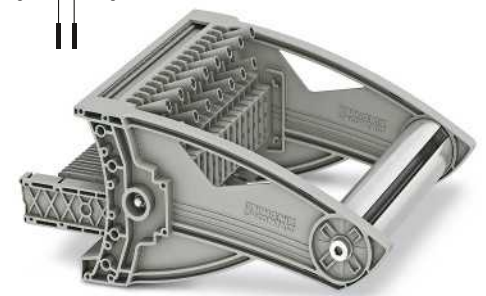
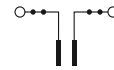
## Solutions for energy technology

### FTPR ... and FTP ... test plug, multi-position, freely configurable contact tabs

- The test plugs can be easily configured and ordered with just a click of the mouse in the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products).
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page



24 A, test plug with twist grip, 4 mm test sockets



24 A, test plug without twist grip, 4 mm test socket

<b>Notes:</b>
<sup>1)</sup> Rated surge voltage: 4 kV.



Technical data				
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	400 <sup>1)</sup>	0.5 - 2.5	-	
Rated data				
IEC	UL	CSA	IEC/EN 60079-7	
400 <sup>1)</sup>	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	10	-	
Rated cross section [mm <sup>2</sup> ]	6	-	-	
Cross section range AWG	20 - 14	-	-	
Connection capacity				
1 conductor [mm <sup>2</sup> ]		Solid	Stranded	Ferrule without/with plastic sleeve
-		-	0.5 - 2.5	-
General data				
Tightening torque: test socket screw [Nm]		0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		



Technical data				
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)	
24	400 <sup>1)</sup>	0.5 - 2.5	-	
Rated data				
IEC	UL	CSA	IEC/EN 60079-7	
400 <sup>1)</sup>	300	-	-	
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 / 2.5	10	-	
Rated cross section [mm <sup>2</sup> ]	6	-	-	
Cross section range AWG	20 - 14	-	-	
Connection capacity				
1 conductor [mm <sup>2</sup> ]		Solid	Stranded	Ferrule without/with plastic sleeve
-		-	0.5 - 2.5	-
General data				
Tightening torque: test socket screw [Nm]		0.5 - 0.6		
Insulating material		PA		
Inflammability class according to UL 94		V0		

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Test plug</b>	gray	FTPR-2/4	3001681	1
5-pos.	gray	FTPR-2/5	3001683	1
6-pos.	gray	FTPR-2/6	3001684	1
7-pos.	gray	FTPR-2/7	3001685	1
8-pos.	gray	FTPR-2/8	3001686	1
9-pos.	gray	FTPR-2/9	3001687	1
10-pos.	gray	FTPR-2/10	3001688	1
11-pos.	gray	FTPR-2/11	3001689	1
12-pos.	gray	FTPR-2/12	3001690	1
13-pos.	gray	FTPR-2/13	3001691	1
14 pos.	gray	FTPR-2/14	3001692	1
15-pos.	gray	FTPR-2/15	3001693	1
16-pos.	gray	FTPR-2/16	3001694	1
17-pos.	gray	FTPR-2/17	3001696	1
18-pos.	gray	FTPR-2/18	3001697	1
19 pos.	gray	FTPR-2/19	3001698	1
20 pos.	gray	FTPR-2/20	3001699	1
21 pos.	gray	FTPR-2/21	3001700	1
22 pos.	gray	FTPR-2/22	3001701	1
23-pos.	gray	FTPR-2/23	3001702	1
24-pos.	gray	FTPR-2/24	3001703	1
25 pos.	gray	FTPR-2/25	3001704	1

Ordering data				
Description	Color	Type	Order No.	Pcs. / Pkt.
<b>Test plug</b>	gray	FTP-2/4	3001706	1
5-pos.	gray	FTP-2/5	3001707	1
6-pos.	gray	FTP-2/6	3001708	1
7-pos.	gray	FTP-2/7	3001709	1
8-pos.	gray	FTP-2/8	3001710	1
9-pos.	gray	FTP-2/9	3001711	1
10-pos.	gray	FTP-2/10	3001712	1
11-pos.	gray	FTP-2/11	3001713	1
12-pos.	gray	FTP-2/12	3001714	1
13-pos.	gray	FTP-2/13	3001715	1
14 pos.	gray	FTP-2/14	3001716	1
15-pos.	gray	FTP-2/15	3001717	1
16-pos.	gray	FTP-2/16	3001719	1
17-pos.	gray	FTP-2/17	3001720	1
18-pos.	gray	FTP-2/18	3001722	1
19 pos.	gray	FTP-2/19	3001723	1
20 pos.	gray	FTP-2/20	3001724	1
21 pos.	gray	FTP-2/21	3001725	1
22 pos.	gray	FTP-2/22	3001726	1
23-pos.	gray	FTP-2/23	3001727	1
24-pos.	gray	FTP-2/24	3001728	1
25 pos.	gray	FTP-2/25	3001729	1

Accessories			
		Order No.	Pcs. / Pkt.
Fork-type cable lug, insulated, according to UL 2.5 mm <sup>2</sup>	red	C-FCI 1,5/M3	3240032
	blue	C-FCI 2,5/M3	3240037
Ring cable lug, insulated, according to UL 2.5 mm <sup>2</sup>	red	C-RCI 1,5/M3	3240016
	blue	C-RCI 2,5/M3	3240021

Accessories			
		Order No.	Pcs. / Pkt.
Fork-type cable lug, insulated, according to UL 2.5 mm <sup>2</sup>	red	C-FCI 1,5/M3	3240032
	blue	C-FCI 2,5/M3	3240037
Ring cable lug, insulated, according to UL 2.5 mm <sup>2</sup>	red	C-RCI 1,5/M3	3240016
	blue	C-RCI 2,5/M3	3240021

<b>Marking</b>	UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)
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<b>Marking</b>	UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)
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## Ordering example: configurable test plug with twist grip function

To ensure that your order is correct, you need a defined view of how everything is counted.

This is achieved when the status window in the top view is located on the left-hand side.

Position 1 is then on the left.

Each position of a test plug is described by a contact tab feature that is selected.

The following features are possible:

<b>S</b>	Short contact tab, gray
<b>M</b>	Medium contact tab, gray
<b>L</b>	Long contact tab, gray
<b>LGN</b>	Long contact tab, green
<b>N</b>	No contact tab, gray

Each position with a contact tab comes fitted with two gray test sockets.

### Ordering example:

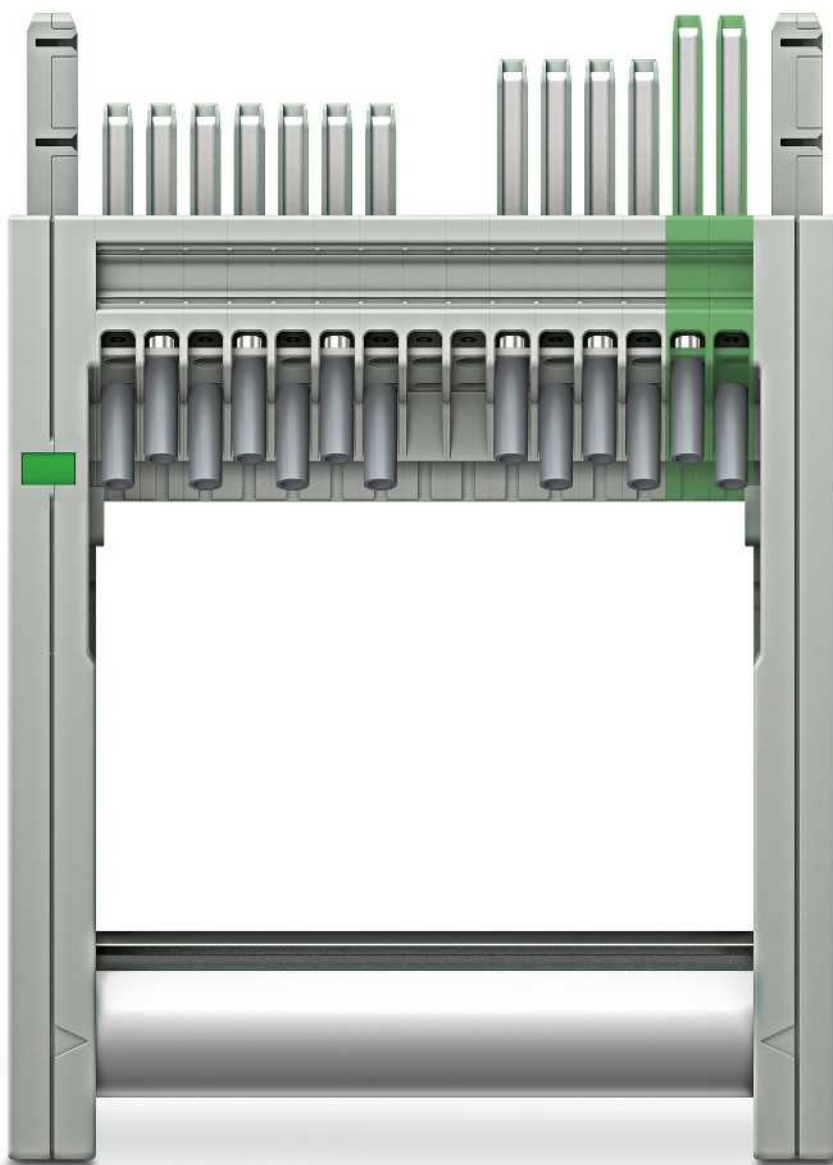
A 15-pos. test plug with twist grip needs to be configured as follows:

Pos. 1	Short contact tab, gray
Pos. 2	Short contact tab, gray
Pos. 3	Short contact tab, gray
Pos. 4	Short contact tab, gray
Pos. 5	Short contact tab, gray
Pos. 6	Short contact tab, gray
Pos. 7	Short contact tab, gray
Pos. 8	No contact tab, gray

Pos. 9	No contact tab, gray
Pos. 10	Medium contact tab, gray
Pos. 11	Medium contact tab, gray
Pos. 12	Medium contact tab, gray
Pos. 13	Medium contact tab, gray
Pos. 14	Long contact tab, green
Pos. 15	Long contact tab, green

## The order data for this ordering example is therefore:

Order No.	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Pos. 6	Pos. 7	Pos. 8	Pos. 9	Pos. 10	Pos. 11	Pos. 12	Pos. 13	Pos. 14	Pos. 15
3001693	S	S	S	S	S	S	S	N	N	M	M	M	M	LGN	LGN

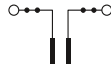


# Sector-specific solutions

## Solutions for energy technology

### Service test plug, FBP-2/... blind plugs

- The service test plug has a 1-pos. and 4-pos. design without side flanges
- Free positioning on the test terminal strip for special measuring tasks
- Additional assembly with bridges and test sockets
- During normal operation, the blind plug acts as a protective cover for the test terminal strip and can be sealed as an option



Service test plug



Blind plug 4 ... 25-pos.



#### General data

Insulating material  
Inflammability class according to UL 94

Technical data	
PA	
V0	

Technical data	
PA	
V0	

#### Ordering data

Description	Color
<b>Test plug</b> , 1-pos., with cover	red
4-pos.	red
<b>Blind plug</b> , 4-pos.	gray
5-pos.	gray
6-pos.	gray
7-pos.	gray
8-pos.	gray
9-pos.	gray
10-pos.	gray
11-pos.	gray
12-pos.	gray
12-pos.	gray
14 pos.	gray
15-pos.	gray
16-pos.	gray
17-pos.	gray
18-pos.	gray
19 pos.	gray
20 pos.	gray
21 pos.	gray
22 pos.	gray
23-pos.	gray
24-pos.	gray
25-pos.	gray

Type	Order No.	Pcs. / Pkt.
FTP-2/1	3069469	1
FTP-2/4 SERVICE	3069468	1

#### Ordering data

Type	Order No.	Pcs. / Pkt.
FBP-2/4	3069875	1
FBP-2/5	3069876	1
FBP-2/6	3069877	1
FBP-2/7	3069878	1
FBP-2/8	3069879	1
FBP-2/9	3069880	1
FBP-2/10	3069881	1
FBP-2/11	3069882	1
FBP-2/12	3069883	1
FBP-2/13	3069884	1
FBP-2/14	3069885	1
FBP-2/15	3069886	1
FBP-2/16	3069887	1
FBP-2/17	3069888	1
FBP-2/18	3069889	1
FBP-2/19	3069890	1
FBP-2/20	3069891	1
FBP-2/21	3069892	1
FBP-2/22	3069893	1
FBP-2/23	3069894	1
FBP-2/24	3069895	1
FBP-2/25	3069896	1

#### Accessories

Lateral groove marking
------------------------

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)
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#### Accessories

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 5)
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### PC...-TRI coding profile set



- The coding profile set can be used to assign test terminal strips and test plugs according to the specific application
- Maximum safety is therefore ensured for all testing tasks



#### General data

Material PA  
Inflammability class according to UL 94 V0

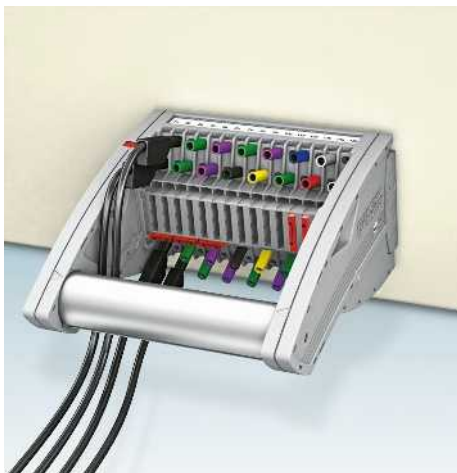
#### Technical data

Description	Color
Coding profile set, for test terminal strip	red
Coding profile set, for FTP-2 and FTPR-2 test plugs and FBP-2 blind plugs	red

#### Ordering data

Type	Order No.	Pcs. / Pkt.
PC-UTWE-TRI	3069897	50
PC-FTP-TRI	3069898	50

### Colored PSBJ ... test sockets



- 4 mm safety test leads with fixed insulation according to EN 61010-031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 534) can be attached with test sockets.



Description	Color
Test socket, insulated	transparent
	red
	blue
	yellow
	green
	violet
	black
	gray
	brown

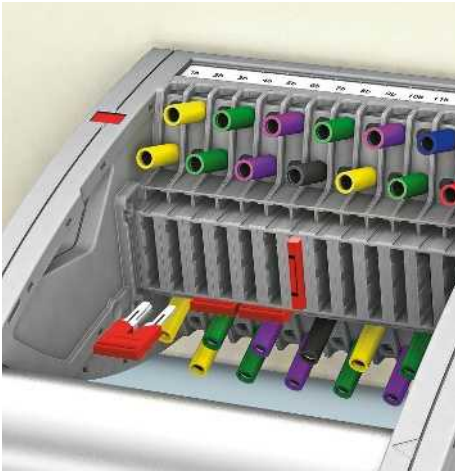
#### Ordering data

Type	Order No.	Pcs. / Pkt.
PSBJ-URTK 6 FARBLOS	3026450	10
PSBJ-URTK 6 RD	3026719	10
PSBJ-URTK 6 BU	3026434	10
PSBJ-URTK 6 YE	3026405	10
PSBJ-URTK 6 GN	3026418	10
PSBJ-URTK 6 VT	3026421	10
PSBJ-URTK 6 BK	3026447	10
PSBJ-URTK 6 GY	3026612	10
PSBJ-URTK 6 BN	3026971	10

## Sector-specific solutions

### Solutions for energy technology

#### Jumper, red, 8.2 mm pitch, FBS ...



- The FBS ...-8 jumpers are used for short-circuiting, as star-point jumpers, and also to establish grounding in connection with a PE terminal block on the terminal strip

**When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.**



Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
<b>Jumper</b>			
2-pos.	FBS 2-8	3030284	10
3-pos.	FBS 3-8	3030297	10
4-pos.	FBS 4-8	3030307	10
5-pos.	FBS 5-8	3030310	10
6-pos.	FBS 6-8	3032470	10
10-pos.	FBS 10-8	3030323	10

#### Jumper with extraction tool, red, 8.2 mm pitch, FBSRH ...

- The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in test disconnect terminal blocks, for example.

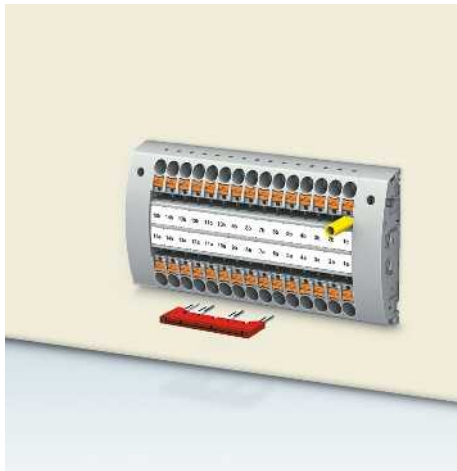
**When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.**



Jumper, with extraction tool

Description	Ordering data		
	Type	Order No.	Pcs. / Pkt.
<b>Jumper, with extraction tool</b>			
2-pos.	FBSRH 2-8	3033802	10
3-pos.	FBSRH 3-8	3033803	10
4-pos.	FBSRH 4-8	3033804	10

### Pre-assembled bridge, red, 8.2 mm pitch



- Plug-in star-point jumpers or jumpers for bridging several positions can be supplied pre-configured without additional expense
- The bridges are printed and provide unique identification for bridging between non-adjacent terminal blocks

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.



#### Description

**Pre-assembled bridge, marked**  
 3-pos., positions 1, 3  
 4-pos., positions 1, 4  
 5-pos., positions 1, 3, 5  
 10-pos., positions 1, 4, 7, 10

#### Ordering data

Type	Order No.	Pcs. / Pkt.
FBS 1/3-8	3032363	10
FBS 1/4-8	3032376	10
FBS 1/3/5-8	3032389	10
FBS 1/4/7/10-8	3032402	10

### Cover profiles for test plug or test terminal strip mounted on DIN rail



- The AP-FTP cover profile prevents undesired changes to the star point, feed-through, and short-circuit jumpers on the completely assembled test plug
- To mount, gently release the side screw connection of the plug and snap the profile into place
- The APH-ME end bracket is used in conjunction with the AP-ME cover for the DIN rail mounted test terminal strip



#### General data

Material

#### Technical data

PVC

#### Ordering data

Description	Color	Type	Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	transparent	AP-FTP METER	3069899	1
Cover profile, supply length 1 m	transparent	AP-ME METER	3034361	10
Cover profile, supply length 1 m	transparent	AP RSC-T	3059139	10
End bracket, for AP-ME cover profile	gray	APH-ME	3034374	10
Cover profile holder, can be snapped on and sealed	gray	APH-UTWE 6-2	3069057	10

## Solutions for energy technology

### Test terminal strip, with push-in connection, wall or DIN rail mounting

The VDE B7 version is suitable as a plug-in test system in digital differential protection as an addition to the F19 plug-in test system, see page 546.

The **VDE A7** version is suitable as a plug-in test system in single-system current, voltage, and power relays, wattmetric and ground fault wiper relays, detuning level controllers or reverse power protection for generators.

The **VDE E7** version is suitable as a plug-in test system for single-stage automatic frequency discharge and as rotor ground fault protection.

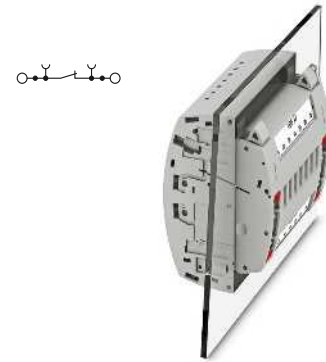
- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type A7



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 20 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
Plug-in connection cross sections	[mm <sup>2</sup> ] 1 - 10
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
Ordering data			
Type	Order No.	Pcs. / Pkt.	
PTWE 6-2/A7	3069436	1	
PTRE 6-2/A7	3069449	1	

Description	Color
Test terminal strip, wall mounting	gray
Test terminal strip, DIN rail mounting	gray
Test plug, with twist grip, A7 coding	gray
B7 coding	gray
E7 coding	gray
Test plug, with standard grip, A7 coding	gray
B7 coding	gray
E7 coding	gray
Test plug, 1-pos., with cover	red
Blind plug, sealable, A7 coding	gray
B7 coding	gray
E7 coding	gray



Blind plug, 7-pos., VDE coded



## Solutions for energy technology

### Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE A14** version is suitable as a plug-in test system for three-stage automatic frequency discharge, as zero-power comparison protection, and as stator and rotor ground fault protection.

The **VDE B14** version is suitable as a plug-in test system in overcurrent directional protection, distance protection for high and medium voltage, as well as voltage regulation.

The **VDE C14** version is suitable as a plug-in test system in overcurrent time protection, unbalanced load protection, and stator ground fault protection for busbar operation.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The **FBP-2..** blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> .
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type A14



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 20 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
Plug-in connection cross sections	[mm <sup>2</sup> ] 1 - 10
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
Inflammability class according to UL 94		V0	

Description	Color
Test terminal strip, wall mounting	gray
Test terminal strip, DIN rail mounting	gray
Test plug, with twist grip, A14 coding	gray
B14 coding	gray
C14 coding	gray
Test plug, with standard grip, A14 coding	gray
B14 coding	gray
C14 coding	gray
Test plug, 1-pos., with cover	red
Blind plug, sealable, A14 coding	gray
B14 coding	gray
C14 coding	gray

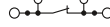
Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/A14	3069439	1
PTRE 6-2/A14	3069452	1



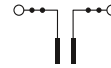
Blind plug, 14-pos., VDE coded



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type B14



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type C14



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

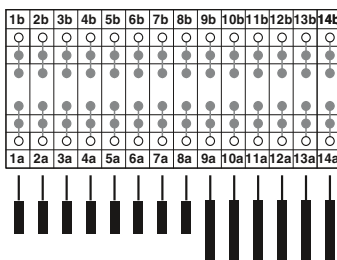
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

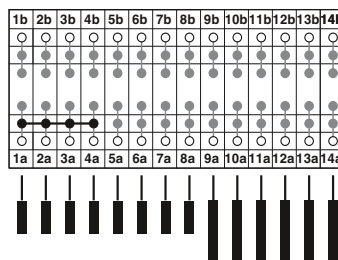
Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/B14	3069440	1
PTRE 6-2/B14	3069453	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/C14	3069441	1
PTRE 6-2/C14	3069454	1

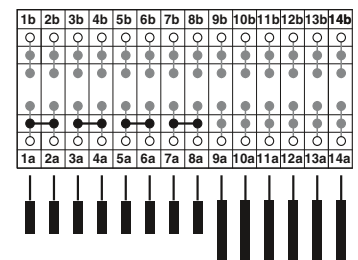
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/A14	3069487	1
FTPR-2/B14	3069488	1
FTPR-2/C14	3069489	1
FTP-2/A14	3069474	1
FTP-2/B14	3069475	1
FTP-2/C14	3069476	1
FTP-2/1	3069469	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1



Test plug type A14



Test plug type B14



Test plug type C14

## Solutions for energy technology

### Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE B19** version is suitable as a plug-in test system in distance protection for high voltage.

The **VDE C19** version is suitable as a plug-in test system in distance protection as system busbar protection, overcurrent directional protection, and current comparison protection for cables.

The **VDE D19** version is suitable as a plug-in test system for electromechanical differential protection for transformers.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> .
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type B19



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 20 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
Plug-in connection cross sections	[mm <sup>2</sup> ] 1 - 10
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6

Description	Color
<b>Test terminal strip</b> , wall mounting	gray
<b>Test terminal strip</b> , DIN rail mounting	gray
<b>Test plug</b> , with twist grip, <b>B19</b> coding	gray
<b>C19</b> coding	gray
<b>D19</b> coding	gray
<b>Test plug</b> , with standard grip, <b>B19</b> coding	gray
<b>C19</b> coding	gray
<b>D19</b> coding	gray
<b>Test plug</b> , 1-pos., with cover	red
<b>Blind plug</b> , sealable, <b>B19</b> coding	gray
<b>C19</b> coding	gray
<b>D19</b> coding	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
<b>PTWE 6-2/B19</b>	<a href="#">3069442</a>	1
<b>PTRE 6-2/B19</b>	<a href="#">3069455</a>	1

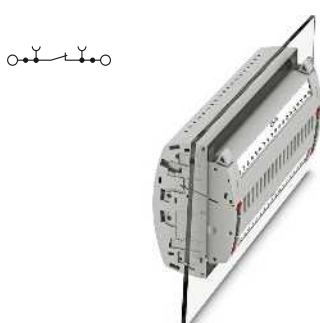


Blind plug, 19-pos., VDE coded





6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type C19



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type D19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

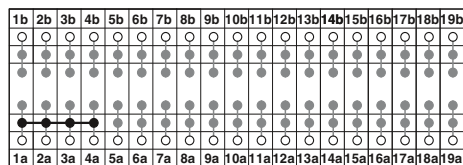
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

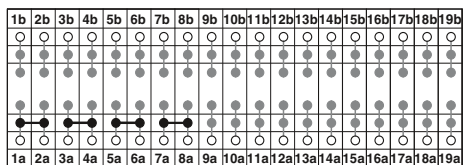
Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/C19	3069443	1
PTRE 6-2/C19	3069456	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/D19	3069444	1
PTRE 6-2/D19	3069457	1

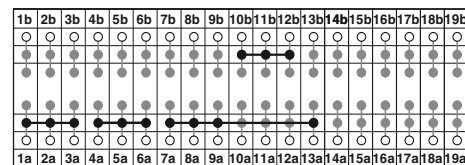
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/B19	3069490	1
FTPR-2/C19	3069491	1
FTPR-2/D19	3069492	1
FTP-2/B19	3069477	1
FTP-2/C19	3069478	1
FTP-2/D19	3069479	1
FTP-2/1	3069469	1
FBP-2/B19	3069503	1
FBP-2/C19	3069504	1
FBP-2/D19	3069671	1



Test plug type B19



Test plug type C19



Test plug type D19

## Solutions for energy technology

### Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE F19** version is suitable as a plug-in test system in electromechanical differential protection for transformers, generators, motors, and cables.

The **VDE G19** version is suitable as a plug-in test system in digital differential protection for transformers.

The **VDE H19** version is suitable as a plug-in test system in overcurrent directional protection and distance protection as system protection.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> .
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type F19



Max. electrical data	
<b>Rated data</b>	
Rated voltage [V]	400 <sup>2)</sup>
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 <sup>1)</sup> / 6
Rated cross section [mm <sup>2</sup> ]	6
Cross section range AWG	20 - 8
Connection capacity	
1 conductor [mm <sup>2</sup> ]	0.5 - 10
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-
Plug-in connection cross sections [mm <sup>2</sup> ]	1 - 10
General data	
Stripping length [mm]	12
Tightening torque for wall fastening [Nm]	0.8 - 1
Panel thickness [mm]	1 - 4
Tightening torque: test socket screw [Nm]	-
Insulating material	PA
Inflammability class according to UL 94	V0

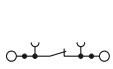
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6

Description	Color
<b>Test terminal strip, wall mounting</b>	gray
<b>Test terminal strip, DIN rail mounting</b>	gray
<b>Test plug, with twist grip, F19 coding</b>	gray
<b>G19 coding</b>	gray
<b>H19 coding</b>	gray
<b>Test plug, with standard grip, F19 coding</b>	gray
<b>G19 coding</b>	gray
<b>H19 coding</b>	gray
<b>Test plug, 1-pos., with cover</b>	red
<b>Blind plug, sealable, F19 coding</b>	gray
<b>G19 coding</b>	gray
<b>H19 coding</b>	gray

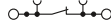
Ordering data		
Type	Order No.	Pcs. / Pkt.
<b>PTWE 6-2/F19</b>	<a href="#">3069445</a>	1
<b>PTRE 6-2/F19</b>	<a href="#">3069458</a>	1



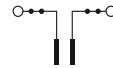
Blind plug, 19-pos., VDE coded



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type G19



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type H19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

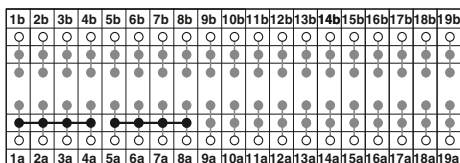
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.5 - 10	20 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
20 - 8	20 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

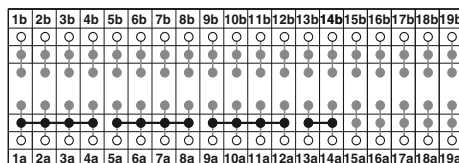
Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/G19	3069446	1
PTRE 6-2/G19	3069459	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
PTWE 6-2/H19	3069447	1
PTRE 6-2/H19	3069460	1

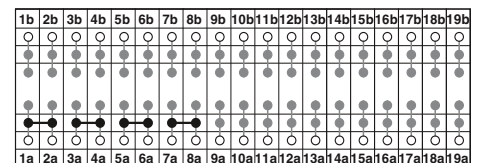
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/F19	3069493	1
FTPR-2/G19	3069494	1
FTPR-2/H19	3069495	1
FTP-2/F19	3069480	1
FTP-2/G19	3069481	1
FTP-2/H19	3069482	1
FTP-2/1	3069469	1
FBP-2/F19	3069675	1
FBP-2/G19	3069676	1
FBP-2/H19	3069677	1



Test plug type F19



Test plug type G19



Test plug type H19

## Solutions for energy technology

### Test terminal strip, with push-in connection, wall or DIN rail mounting

The **VDE I19** version is suitable as a plug-in test system in medium-voltage, outlet, and coupling protection, including selective ground fault detection.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

#### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



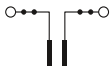
**6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type I19**



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 20 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.5 - 10
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
Plug-in connection cross sections	[mm <sup>2</sup> ] 1 - 10
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
<b>30</b>	<b>400<sup>2)</sup></b>	<b>0.5 - 10</b>	<b>20 - 8</b>
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Solid		Stranded	
Ferrule			
without/with plastic sleeve			
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
Ordering data			
Type	Order No.	Pcs. / Pkt.	
<b>PTWE 6-2/I19</b>	<b>3069448</b>	1	
<b>PTRE 6-2/I19</b>	<b>3069461</b>	1	

Description	Color
<b>Test terminal strip, wall mounting</b>	gray
<b>Test terminal strip, DIN rail mounting</b>	gray
<b>Test plug, with twist grip, I19 coding</b>	gray
<b>Test plug, with standard grip, I19 coding</b>	gray
<b>Test plug, 1-pos., with cover</b>	red
<b>Blind plug, sealable, I19 coding</b>	gray



24 A, test plug, bridge assignment according to circuit diagram, VDE coded type I19



Blind plug, VDE coded type I19

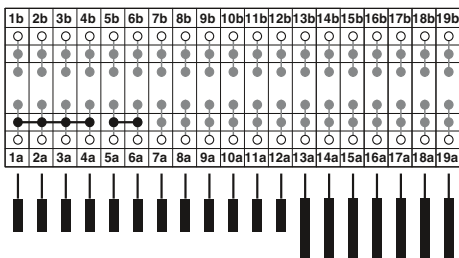


Technical data			
$I_{max}$ [A]	$U_{max}$ [V]	Max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2</sup> )	0.5 - 2.5	-
IEC	UL	CSA	IEC/ EN 60079-7
400 <sup>2</sup> )	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6	-	-	-
PA	-	-	-
V0	-	-	-

Technical data			
		Max. $\varnothing$ [mm <sup>2</sup> ]	AWG (UL)
		-	-
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PA	-	-	-
V0	-	-	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/I19	3069496	1
FTP-2/I19	3069483	1
FTP-2/1	3069469	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
FBP-2/I19	3069678	1



Test plug type I19

## Solutions for energy technology

### Test terminal strip, with screw connection, wall or DIN rail mounting

The VDE B7 version is suitable as a plug-in test system in digital differential protection as an addition to the F19 plug-in test system, see page 546.

The **VDE A7** version is suitable as a plug-in test system in single-system current, voltage, and power relays, wattmetric and ground fault wiper relays, detuning level controllers or reverse power protection for generators.

The **VDE E7** version is suitable as a plug-in test system for single-stage automatic frequency discharge and as rotor ground fault protection.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type A7

Max. electrical data	
<b>Rated data</b>	
Rated voltage [V]	400 <sup>2)</sup>
Nominal current / cross section [A] / [mm <sup>2</sup> ]	24 <sup>1)</sup> / 6
Rated cross section [mm <sup>2</sup> ]	6
Cross section range AWG	24 - 8
Connection capacity	
1 conductor [mm <sup>2</sup> ]	0.2 - 10
2 conductors (of the same type) [mm <sup>2</sup> ]	0.2 - 2.5
2 stranded conductors with a TWIN ferrule [mm <sup>2</sup> ]	-
General data	
Stripping length [mm]	12
Tightening torque for wall fastening [Nm]	0.8 - 1
Panel thickness [mm]	1 - 4
Tightening torque: test socket screw [Nm]	-
Insulating material	PA
Inflammability class according to UL 94	V0

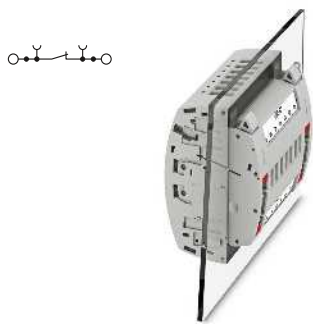
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5

Description	Color
Test terminal strip, wall mounting	gray
Test terminal strip, DIN rail mounting	gray
Test plug, with twist grip, A7 coding	gray
B7 coding	gray
E7 coding	gray
Test plug, with standard grip, A7 coding	gray
B7 coding	gray
E7 coding	gray
Test plug, 1-pos., with cover	red
Blind plug, sealable, A14 coding	gray
B14 coding	gray
C14 coding	gray

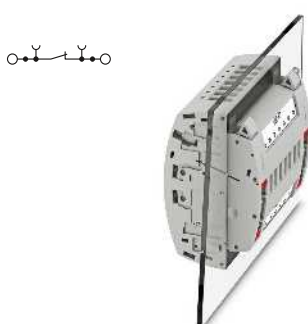
Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/A7	3069410	1
UTRE 6-2/A7	3069423	1



Blind plug, 7-pos., VDE coded



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type B7



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type E7



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12	0.8 - 1	1 - 4	-
PA	V0		

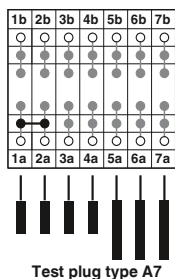
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12	0.8 - 1	1 - 4	-
PA	V0		

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA	V0		

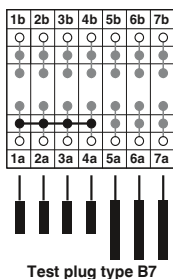
Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/B7	3069411	1
UTRE 6-2/B7	3069424	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/E7	3069412	1
UTRE 6-2/E7	3069425	1

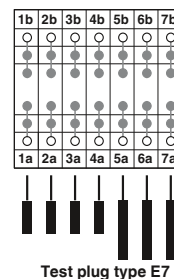
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/A7	3069484	1
FTPR-2/B7	3069485	1
FTPR-2/E7	3069486	1
FTP-2/A7	3069470	1
FTP-2/B7	3069471	1
FTP-2/E7	3069472	1
FTP-2/1	3069469	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1



Test plug type A7



Test plug type B7



Test plug type E7

## Solutions for energy technology

### Test terminal strip, with screw connection

The **VDE A14** version is suitable as a plug-in test system for three-stage automatic frequency discharge, as zero-power comparison protection, and as stator and rotor ground fault protection.

The **VDE B14** version is suitable as a plug-in test system in overcurrent directional protection, distance protection for high and medium voltage, as well as voltage regulation.

The **VDE C14** version is suitable as a plug-in test system in overcurrent time protection, unbalanced load protection, and stator ground fault protection for busbar operation.

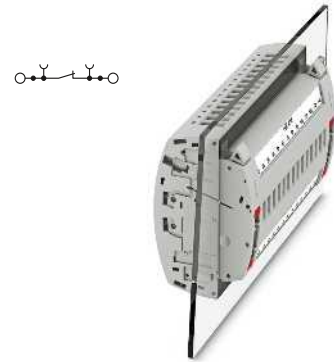
- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type A14



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 24 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.2 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ] 0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Rated voltage	[V] 400 <sup>2)</sup>	-	-
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6	-	-
Rated cross section	[mm <sup>2</sup> ] 6	-	-
Cross section range	AWG 24 - 8	-	-
Connection capacity		Ferrule	
		without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ] 0.2 - 10	0.2 - 10	0.25 - 6
2 conductors (of the same type)	[mm <sup>2</sup> ] 0.2 - 2.5	0.2 - 2.5	0.25 - 1.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -	-	0.5 - 2.5
Ordering data			
Description	Color	Type	Order No.
Test terminal strip, wall mounting	gray	UTWE 6-2/A14	3069413
Test terminal strip, DIN rail mounting	gray	UTRE 6-2/A14	3069426
Test plug, with twist grip, A14 coding	gray		
B14 coding	gray		
C14 coding	gray		
Test plug, with standard grip, A14 coding	gray		
B14 coding	gray		
C14 coding	gray		
Test plug, 1-pos., with cover	red		
Blind plug, sealable, A14 coding	gray		
B14 coding	gray		
C14 coding	gray		

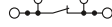


Blind plug, 14-pos., VDE coded

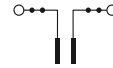




6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type B14



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type C14



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12	0.8 - 1	1 - 4	-
-	-	-	-
PA	V0		

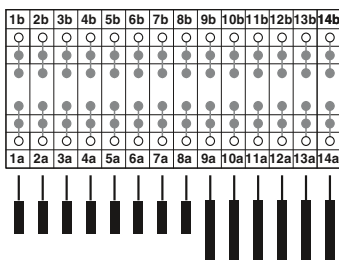
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12	0.8 - 1	1 - 4	-
-	-	-	-
PA	V0		

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6	PA	V0	

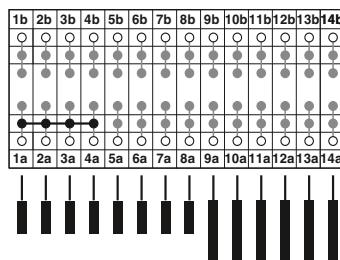
Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/B14	3069414	1
UTRE 6-2/B14	3069427	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/C14	3069415	1
UTRE 6-2/C14	3069428	1

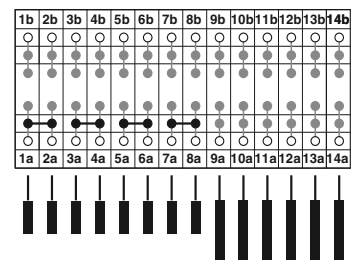
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/A14	3069487	1
FTPR-2/B14	3069488	1
FTPR-2/C14	3069489	1
FTP-2/A14	3069474	1
FTP-2/B14	3069475	1
FTP-2/C14	3069476	1
FTP-2/1	3069469	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1



Test plug type A14



Test plug type B14



Test plug type C14

## Solutions for energy technology

### Test terminal strip, with screw connection

The **VDE B19** version is suitable as a plug-in test system in distance protection for high voltage.

The **VDE C19** version is suitable as a plug-in test system in distance protection as system busbar protection, overcurrent directional protection, and current comparison protection for cables.

The **VDE D19** version is suitable as a plug-in test system for electromechanical differential protection for transformers.

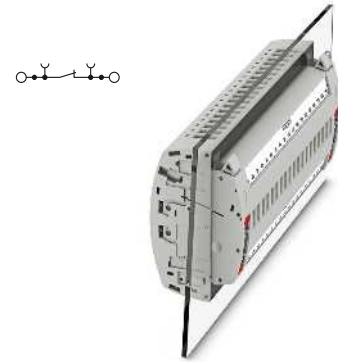
- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type B19



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 24 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.2 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ] 0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
Solid	Stranded	without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5

Description	Color
<b>Test terminal strip</b> , wall mounting	gray
<b>Test terminal strip</b> , DIN rail mounting	gray
<b>Test plug</b> , with twist grip, <b>B19</b> coding	gray
<b>C19</b> coding	gray
<b>D19</b> coding	gray
<b>Test plug</b> , with standard grip, <b>B19</b> coding	gray
<b>C19</b> coding	gray
<b>D19</b> coding	gray
<b>Test plug</b> , 1-pos., with cover	red
<b>Blind plug</b> , sealable, <b>B19</b> coding	gray
<b>C19</b> coding	gray
<b>D19</b> coding	gray

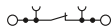
Ordering data		
Type	Order No.	Pcs. / Pkt.
<b>UTWE 6-2/B19</b>	<a href="#">3069416</a>	1
<b>UTRE 6-2/B19</b>	<a href="#">3069429</a>	1



Blind plug, 19-pos., VDE coded



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type C19



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type D19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

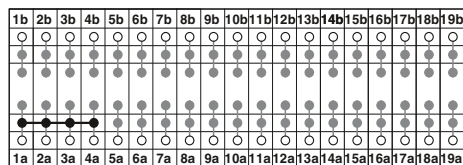
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

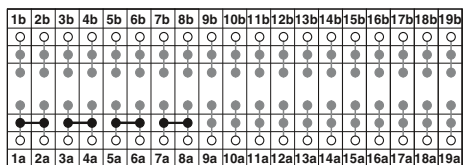
Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/C19	3069417	1
UTRE 6-2/C19	3069430	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/D19	3069418	1
UTRE 6-2/D19	3069431	1

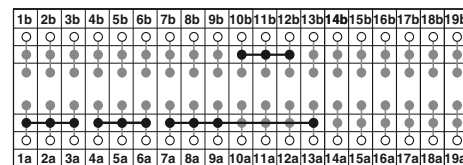
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/B19	3069490	1
FTPR-2/C19	3069491	1
FTPR-2/D19	3069492	1
FTP-2/B19	3069477	1
FTP-2/C19	3069478	1
FTP-2/D19	3069479	1
FTP-2/1	3069469	1
FBP-2/B19	3069503	1
FBP-2/C19	3069504	1
FBP-2/D19	3069671	1



Test plug type B19



Test plug type C19



Test plug type D19

## Solutions for energy technology

### Test terminal strip, with screw connection

The **VDE F19** version is suitable as a plug-in test system in electromechanical differential protection for transformers, generators, motors, and cables.

The **VDE G19** version is suitable as a plug-in test system in digital differential protection for transformers.

The **VDE H19** version is suitable as a plug-in test system in overcurrent directional protection and distance protection as system protection.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> .
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type F19



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 24 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.2 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ] 0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

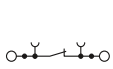
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1	UL	CSA	IEC/EN 60079-7
Solid		Stranded	
		Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5

Description	Color
<b>Test terminal strip</b> , wall mounting	gray
<b>Test terminal strip</b> , DIN rail mounting	gray
<b>Test plug</b> , with twist grip, F19 coding	gray
G19 coding	gray
H19 coding	gray
<b>Test plug</b> , with standard grip, F19 coding	gray
G19 coding	gray
H19 coding	gray
<b>Test plug</b> , 1-pos., with cover	red
<b>Blind plug</b> , sealable, F19 coding	gray
G19 coding	gray
H19 coding	gray

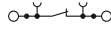
Ordering data		
Type	Order No.	Pcs. / Pkt.
<b>UTWE 6-2/F19</b>	<a href="#">3069419</a>	1
<b>UTRE 6-2/F19</b>	<a href="#">3069432</a>	1



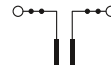
Blind plug, 19-pos., VDE coded



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type G19



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type H19



24 A, test plug, bridge assignment according to circuit diagram, VDE coded



Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

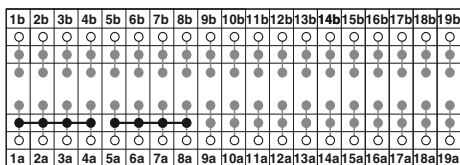
Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 <sup>1)</sup> / 6	10	-	-
6	-	-	-
24 - 8	24 - 8	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
12			
0.8 - 1			
1 - 4			
-			
PA			
V0			

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2)</sup>	0.5 - 2.5	-
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
400 <sup>2)</sup>	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule	
		without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6			
PA			
V0			

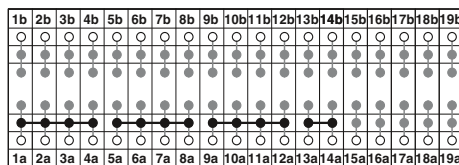
Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/G19	3069420	1
UTRE 6-2/G19	3069433	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/H19	3069421	1
UTRE 6-2/H19	3069434	1

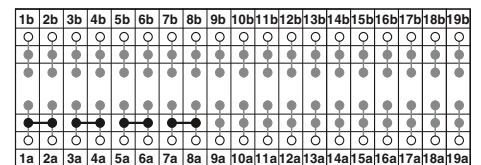
Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/F19	3069493	1
FTPR-2/G19	3069494	1
FTPR-2/H19	3069495	1
FTP-2/F19	3069480	1
FTP-2/G19	3069481	1
FTP-2/H19	3069482	1
FTP-2/1	3069469	1
FBP-2/F19	3069675	1
FBP-2/G19	3069676	1
FBP-2/H19	3069677	1



Test plug type F19



Test plug type G19



Test plug type H19

## Solutions for energy technology

### Test terminal strip, with screw connection

The **VDE I19** version is suitable as a plug-in test system in medium-voltage, outlet, and coupling protection, including selective ground fault detection.

- The test plugs are assembled with jumpers and contact tab lengths according to the circuit diagram
- A transparent covering hood protects the jumpers. The covering hood can only be removed by dismantling the test plug
- All VDE-specified 7, 14, and 19-pos. versions are supplied with exclusive coding for the matching test plug and blind plug
- The components are supplied pre-marked according to the VDE Directive
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- The test plugs are equipped with two gray test sockets per position, for further color versions, see the range of accessories

#### Blind plug

The FBP-2.. blind plug is an optional protective cover for the test terminal strip and is characterized by:

- Secure, sealable latching on the test terminal strip
- Can only be removed by means of two-hand operation
- Large marking option

Notes:
To create panel cutouts, see phoenixcontact.net/products.
1) Derating curve available on request.
2) Rated surge voltage of 5 kV.



6 (10) mm<sup>2</sup>, 30 A, test terminal strip, VDE coded type I19

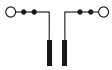


Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>2)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 <sup>1)</sup> / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 24 - 8
Connection capacity	
1 conductor	[mm <sup>2</sup> ] 0.2 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ] 0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
General data	
Stripping length	[mm] 12
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] 1 - 4
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Technical data			
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>2)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC	UL	CSA	IEC/EN 60079-7
Connection capacity		Ferrule	
		without/with plastic sleeve	
Solid	Stranded	0.25 - 6	0.25 - 6
0.2 - 10	0.2 - 10	0.25 - 1.5	-
0.2 - 2.5	0.2 - 2.5	-	0.5 - 2.5
-	-	-	-

Description	Color
Test terminal strip, wall mounting	gray
Test terminal strip, DIN rail mounting	gray
Test plug, with twist grip, I19 coding	gray
Test plug, with standard grip, I19 coding	gray
Test plug, 1-pos., with cover	red
Blind plug, sealable, I19 coding	gray

Ordering data		
Type	Order No.	Pcs. / Pkt.
UTWE 6-2/I19	3069422	1
UTRE 6-2/I19	3069435	1



24 A, test plug, bridge assignment according to circuit diagram, VDE coded type I19



Blind plug, VDE coded type I19

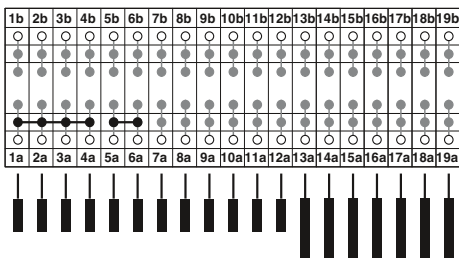


Technical data			
$I_{max}$ [A]	$U_{max}$ [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
24	400 <sup>2</sup> )	0.5 - 2.5	-
IEC	UL	CSA	IEC/ EN 60079-7
400 <sup>2</sup> )	300	-	-
24 / 2.5	10	-	-
6	-	-	-
20 - 14	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0.5 - 0.6	-	-	-
PA	-	-	-
V0	-	-	-

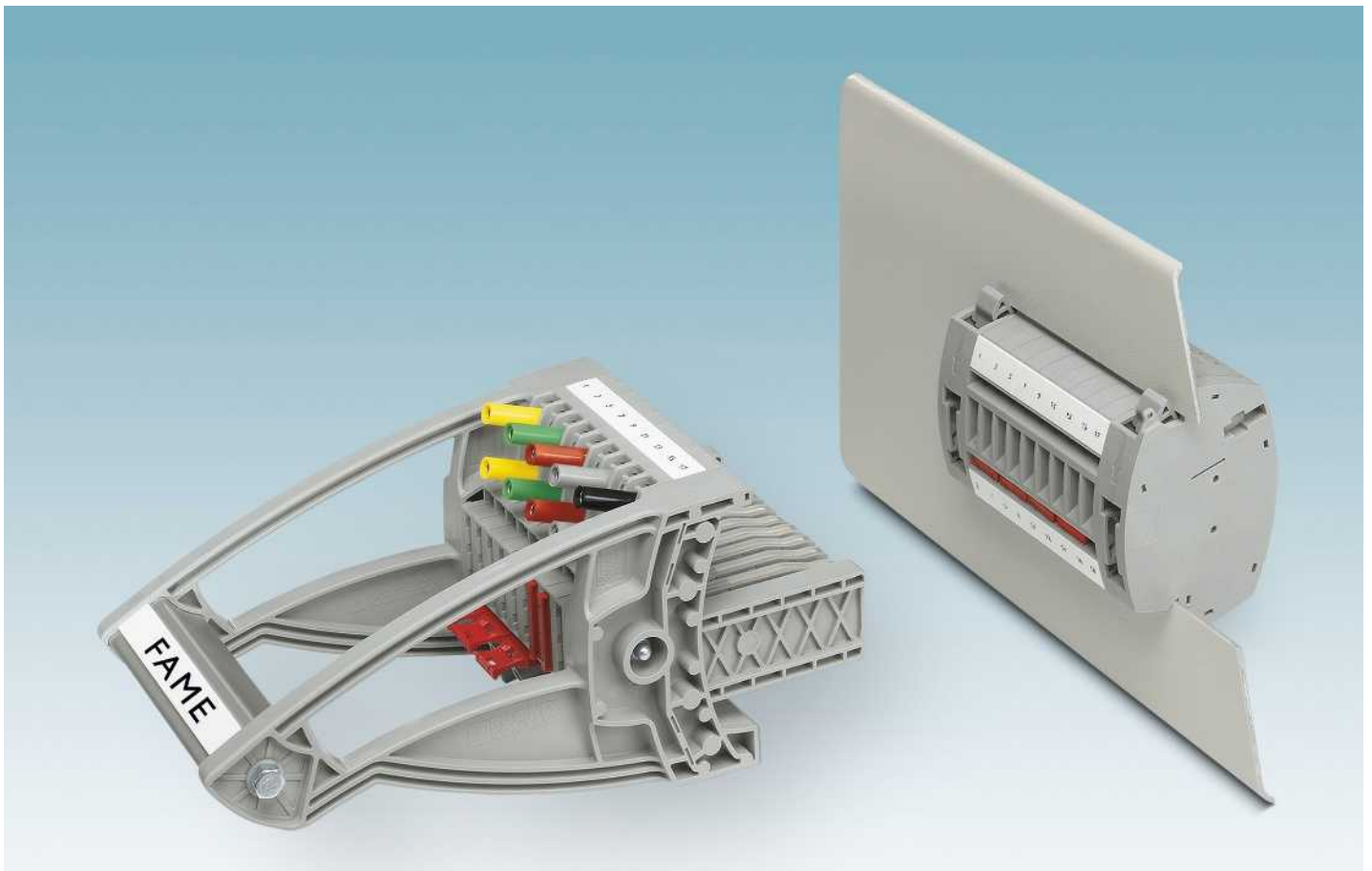
Technical data			
		Max. Ø [mm <sup>2</sup> ]	AWG (UL)
		-	-
IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
Solid	Stranded	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
PA	-	-	-
V0	-	-	-

Ordering data		
Type	Order No.	Pcs. / Pkt.
FTPR-2/I19	3069496	1
FTP-2/I19	3069483	1
FTP-2/1	3069469	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
FBP-2/I19	3069678	1



Test plug type I19



Switchable terminal blocks in a wide range of designs for power generation and distribution have been part of the terminal block product range for decades. These terminal blocks are specifically tailored to the test circuits in current transformer and voltage transducer secondary circuits. Manual switching operations short circuit current transformers prior to measurements being taken.

The FAME plug-in test system represents the further development of these switchable terminal blocks. The system consists of a test block built into the control cabinet panel and the associated operating and test plugs.

It is characterized by:

- Modular design
- Easy panel mounting
- Automatic transformer short circuit

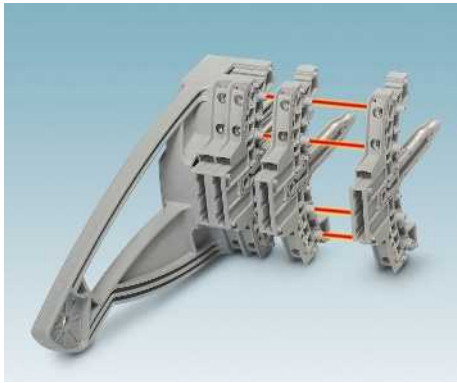
Thanks to its modular, configurable design, FAME is a flexible system which can be used to implement any conceivable number of positions. This means that the right solution is available for every circuit diagram.

The FAME plug-in test system is designed for IP20 protection. Wall mounting enables installation in the control cabinet door. This allows tests to be carried out without having to access the inside of the control cabinet (wiring level), which eliminates the possibility of modifications or manipulation. The transformer short circuit is at the heart of the system and when the short-circuit jumper is inserted it is implemented automatically when the operating or test plug is removed. This increases the level of safety considerably during current transformer and protective device testing.

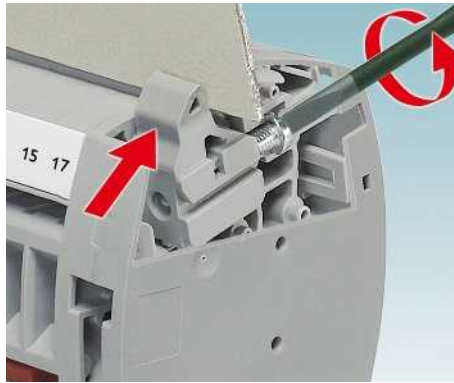
The system is configured for current transformer and voltage transducer applications using accessories from the CLIPLINE complete system.

**i** Your web code: #0131

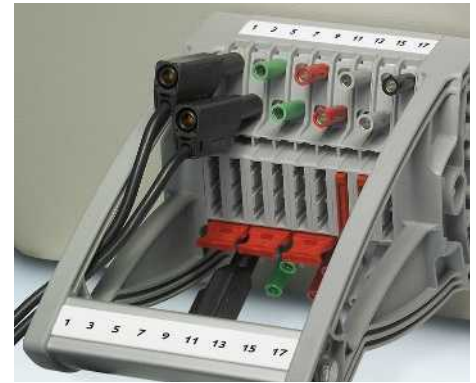




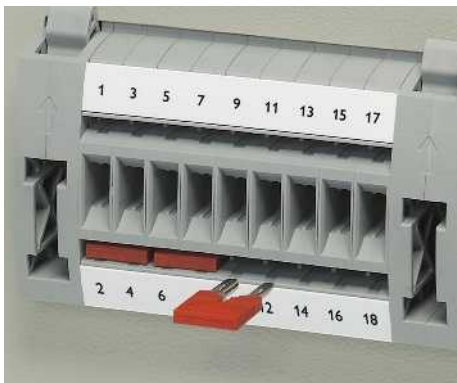
The compact and modular design of the system, as well as the plugs and test blocks, provides the right number of positions for every application.



The patented wall fastening is easy to use and has a robust design. Large tolerances in the plate cutout of up to 4 mm are compensated for by the eccentric tappet function.



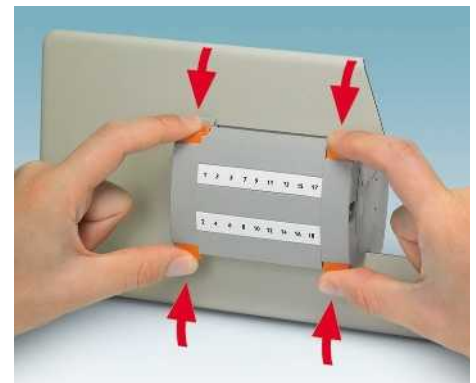
Thanks to the optional use of jumpers, all test circuits can be implemented in the plug. Staggered test sockets enable the use of safety test leads in a confined space.



The transducer block offers two function shafts for short-circuit jumpering on the control cabinet exterior. The operating plug safely covers the short-circuit jumpers in normal operation.



In addition to the two marking grooves, the test blocks also offer two function shafts inside the control cabinet, which are used, for example, to form the star point with the help of jumpers.



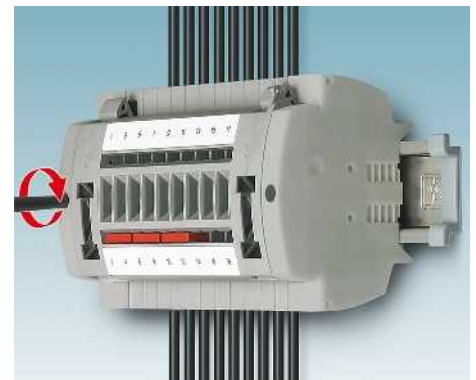
The robust latching of the operating plug can only be released with two-hand operation.



The operating plug is protected against unauthorized actuation thanks to the optional seal.



Large-surface marking options on the inside and outside of the control cabinet enable the clear identification of each terminal point.

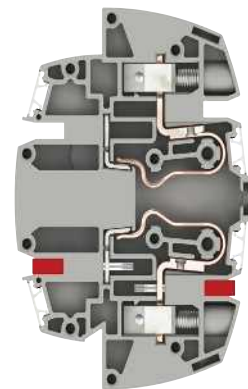


The pre-assembled test terminal strips can be mounted in a space-saving way in the control cabinet by simply snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.

# FAME 1

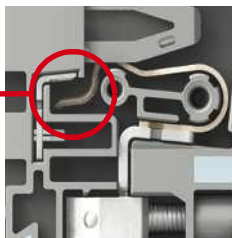
## Modular plug-in test system with operating plug

The new, modular FAME 1 measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer short circuit generated automatically when pulling out the operating plug and the shock-proof design ensure the highest degree of safety during measurement.



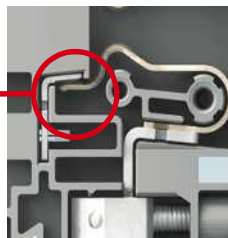
### Normal operation

Switch contact open



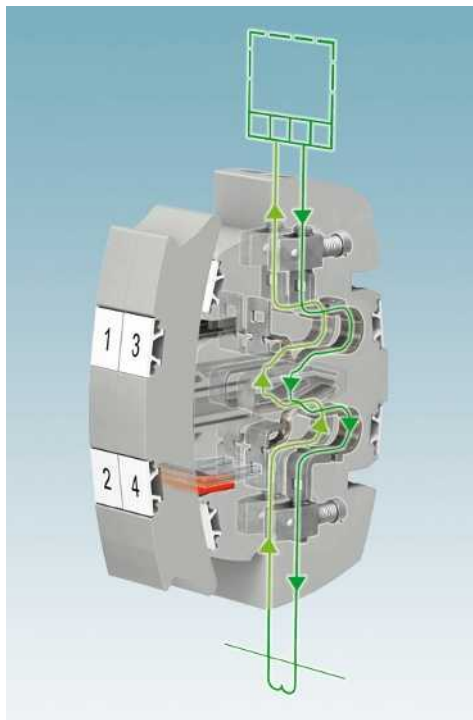
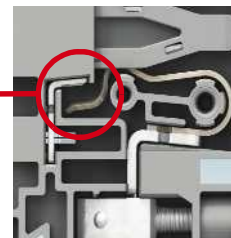
### Transformer short circuit

Switch contact closed



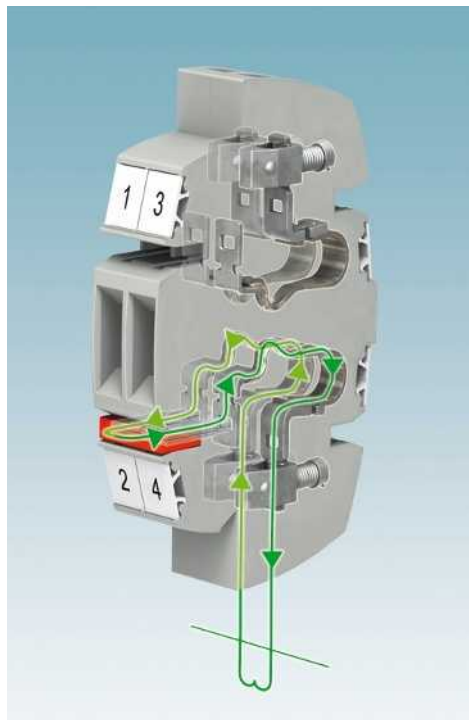
### Test operation

Switch contact open



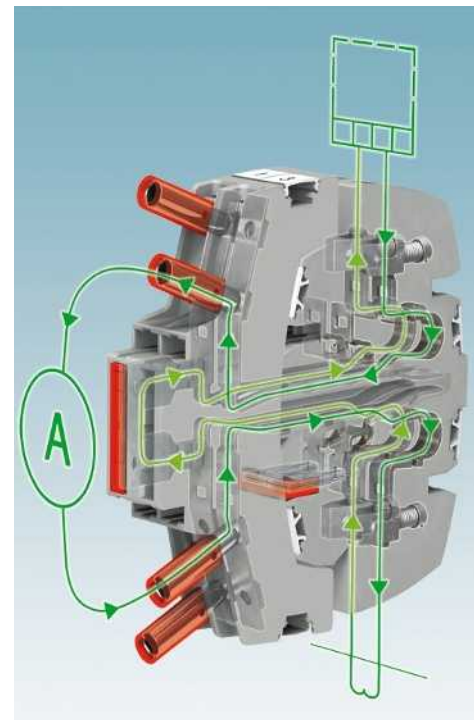
### Normal operation

When the operating plug is used, the transformer short circuit is automatically overridden and the measuring transducer operates safely.



### Transformer short circuit

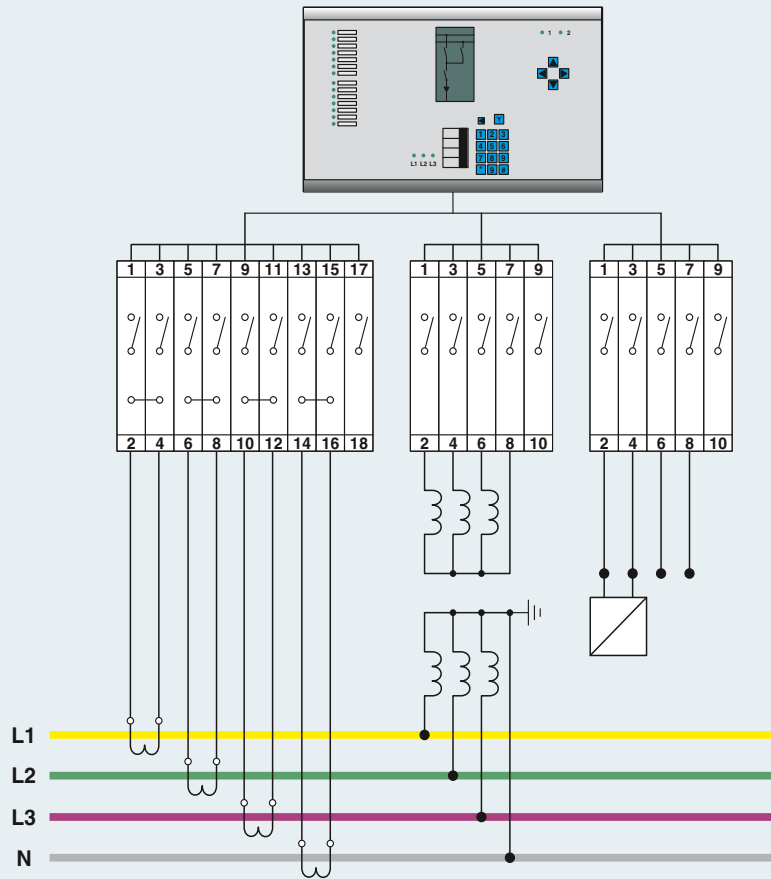
If the plug is removed, the integrated switch contact automatically establishes a leading short circuit when short-circuit jumpers are plugged in. Connected measuring transducers are safely protected against damage.



### Test operation

When inserting the test plug, the ammeter connected to the test plug is first looped into the circuit. Then the transformer short circuit is automatically overridden.

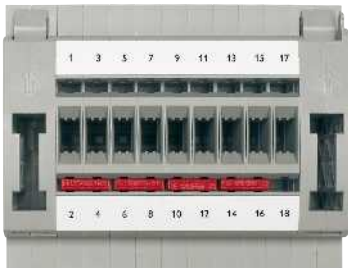
## Mains protection – switching example with sequential switching sequence



Test terminal strip for current transformers

Test terminal strip for voltage transformers

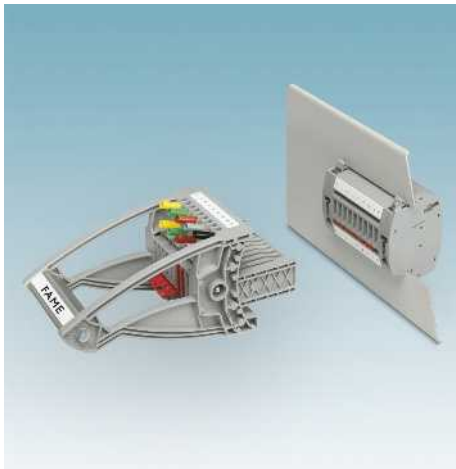
Test terminal strip for signal and tripping contacts



### Test terminal strips, operating plugs, test plugs

Order No.	Type	Required quantity	Order No.	Type	Required quantity	Order No.	Type	Required quantity
3069064	UTWE 6/8+1	1	3069048	UTWE 6/4+1	1	3069048	UTWE 6/4+1	1
3069297	FWP 8+1	1	3069271	FWP 4+1	1	3069271	FWP 4+1	1
3069242	FTP 8+1	1	3069223	FTP 4+1	1	3069223	FTP 4+1	1
Jumper								
3030284	FBS 2-8	4						

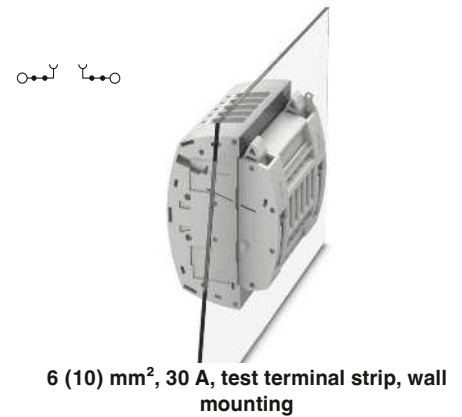
### Measuring transducer block, with connector



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The automatically generated transformer short circuit and the shock-proof design ensure the highest degree of safety during measurement.

- The test blocks can be used universally for voltage transducers and current transformers
- The integrated, robust switch contact is designed for the most stringent demands, and the use of high-grade materials guarantees the transmission of signal currents, even after multiple actuations
- The robust test plug guarantees user-friendly handling.
- Test signals can be connected with touch-proof safety test leads (CAT III and IV/1000 V according to EN 61010-031)
- Additional test leads, assembled with ring and fork-type cable lugs, can be attached with test sockets
- Space-saving design, with a pitch of just 8.2 mm and a 10 mm<sup>2</sup> screw connection
- FAME 6/...BI test blocks are available for standard panel cutouts. For panel cutout dimensions, visit phoenixcontact.net
- The blind plug serves as a protective cover for the test block when the operating plug is unplugged
- Adapter for mounting on NS 35... DIN rail see phoenixcontact.net/products

Notes:
For further test adapters, test sockets, and connectors for use with screw test sockets, visit phoenixcontact.net/products.
Derating curve on request.
To create panel cutouts, see phoenixcontact.net/products.
1) Rated surge voltage: 4 kV.
2) FAME 6/...BI test blocks are available for standard panel cutouts.



Max. electrical data	
<b>Rated data</b>	
Rated voltage	[V] 400 <sup>1)</sup>
Nominal current / cross section	[A] / [mm <sup>2</sup> ] 24 / 6
Rated cross section	[mm <sup>2</sup> ] 6
Cross section range	AWG 24 - 8
<b>Connection capacity</b>	
1 conductor	[mm <sup>2</sup> ] 0.2 - 10
2 conductors (of the same type)	[mm <sup>2</sup> ] 0.2 - 2.5
2 stranded conductors with a TWIN ferrule	[mm <sup>2</sup> ] -
<b>General data</b>	
Stripping length	[mm] 10
Screw thread	M4
Tightening torque	[Nm] 1.5 - 1.8
Tightening torque for wall fastening	[Nm] 0.8 - 1
Panel thickness	[mm] -
Tightening torque: test socket screw	[Nm] -
Insulating material	PA
Inflammability class according to UL 94	V0

Description	Color
Plug-in test system, 4-pos.	gray
Plug-in test system, 5-pos.	gray
Plug-in test system, 5-pos. <sup>2)</sup>	gray
Plug-in test system, 6-pos.	gray
Plug-in test system, 7-pos.	gray
Plug-in test system, 7-pos. <sup>2)</sup>	gray
Plug-in test system, 9-pos.	gray
Plug-in test system, 13-pos.	gray

<b>Jumper</b>	
2-pos.	red
5-pos.	red
10-pos.	red
<b>Pre-assembled bridge, marked</b>	
3-pos., positions 1, 3	red
4-pos., positions 1, 4	red
5-pos., positions 1, 3, 5	red
10-pos., positions 1, 4, 7, 10	red
<b>Test socket, insulated</b>	
	transparent
	red
	blue
	yellow
	green
	violet
	black
	gray
	brown
	silver
<b>Fork-type cable lug, non-isolated DIN 46234</b>	
2.5 mm <sup>2</sup>	silver
<b>Fork-type cable lug, insulated, according to UL</b>	
2.5 mm <sup>2</sup>	red
	blue
<b>Screwdriver</b>	
SF-SL 0,8X4,0-100	
<b>Lateral groove marking</b>	
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 5)	

### Technical data

I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG (UL)
30	400 <sup>1)</sup>	0.2 - 10	24 - 8
IEC 60947-7-1			
IEC		CSA	IEC/EN 60079-7
UL			
<b>Technical data</b>			
Solid		Stranded	
Ferrule			
without/with plastic sleeve			
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5

### Ordering data

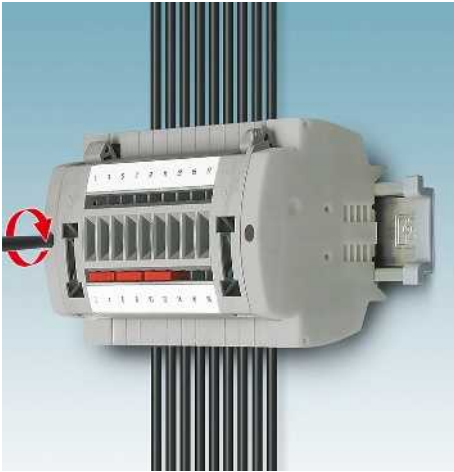
Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
UTWE 6/3+1		3069047	5
UTWE 6/4+1		3069048	5
UTWE 6/4+1 BI		3070008	5
UTWE 6/5+1		3069049	5
UTWE 6/6+1		3069051	5
UTWE 6/6+1 BI		3069996	5
UTWE 6/8+1		3069064	5
UTWE 6/12+1		3069077	5

### Accessories

Type	I <sub>max</sub>	Order No.	Pcs. / Pkt.
FBS 2-8	24 A	3030284	10
FBS 5-8	24 A	3030310	10
FBS 10-8	24 A	3030323	10
FBS 1/3-8	24 A	3032363	10
FBS 1/4-8	24 A	3032376	10
FBS 1/3/5-8	24 A	3032389	10
FBS 1/4/7/10-8	24 A	3032402	10
<b>Accessories</b>			
SF-SL 0,8X4,0-100		1212551	10



### DIN rail adapter



The pre-assembled test terminal strips can be mounted in a space-saving way in the control cabinet by simply snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.

- The adapters have a robust metal foot
- Secure connection to the DIN rail by simply screwing tight

		Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.
DIN rail adapter	gray	E-UTWE 6	3069055	10

### Covers

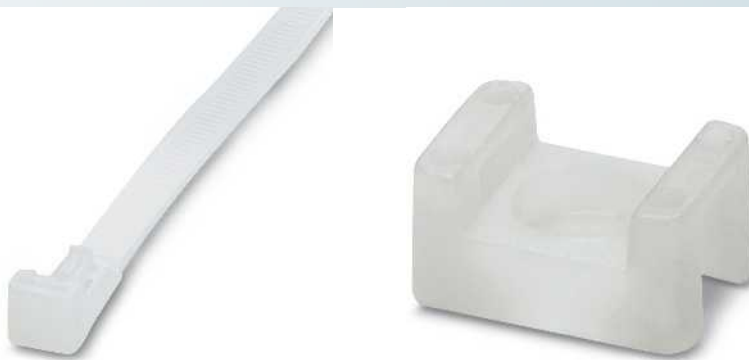
- The AP RSC-T cover profile can be mounted from the inside of the control cabinet using the FAME 1 test terminal strip
- Terminal block screws are protected against unauthorized operation
- The APH-UTWE 6 cover profile holder is mounted by simply snapping it onto the test terminal strip on the right and left-hand side



		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
Cover profile, supply length 1 m	transparent	AP RSC-T	3059139	10	APH-UTWE 6	3069056	10
Cover profile holder, can be snapped on and sealed	gray						

## Cable binders for securing test cables

- WT-D HF 7,5x200 removable cable binders can be used to easily secure test cables to an FTP FAME 1 test plug
- The cable binder base is simply unscrewed at the grip. The knurled screw is removed and then secured together with the base.



Description	Color	Ordering data			Ordering data		
		Type	Order No.	Pcs. / Pkt.	Type	Order No.	Pcs. / Pkt.
<b>Cable binder</b> , maximum bundle Ø [mm]/minimum tensile strength [N] 50 / 220	transparent	<b>WT-D HF 7,5X200</b>	<a href="#">3240712</a>	100			
<b>Cable binder base</b> , for cable binders of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm	transparent				<b>WT-BASE HF 9</b>	<a href="#">3240704</a>	100

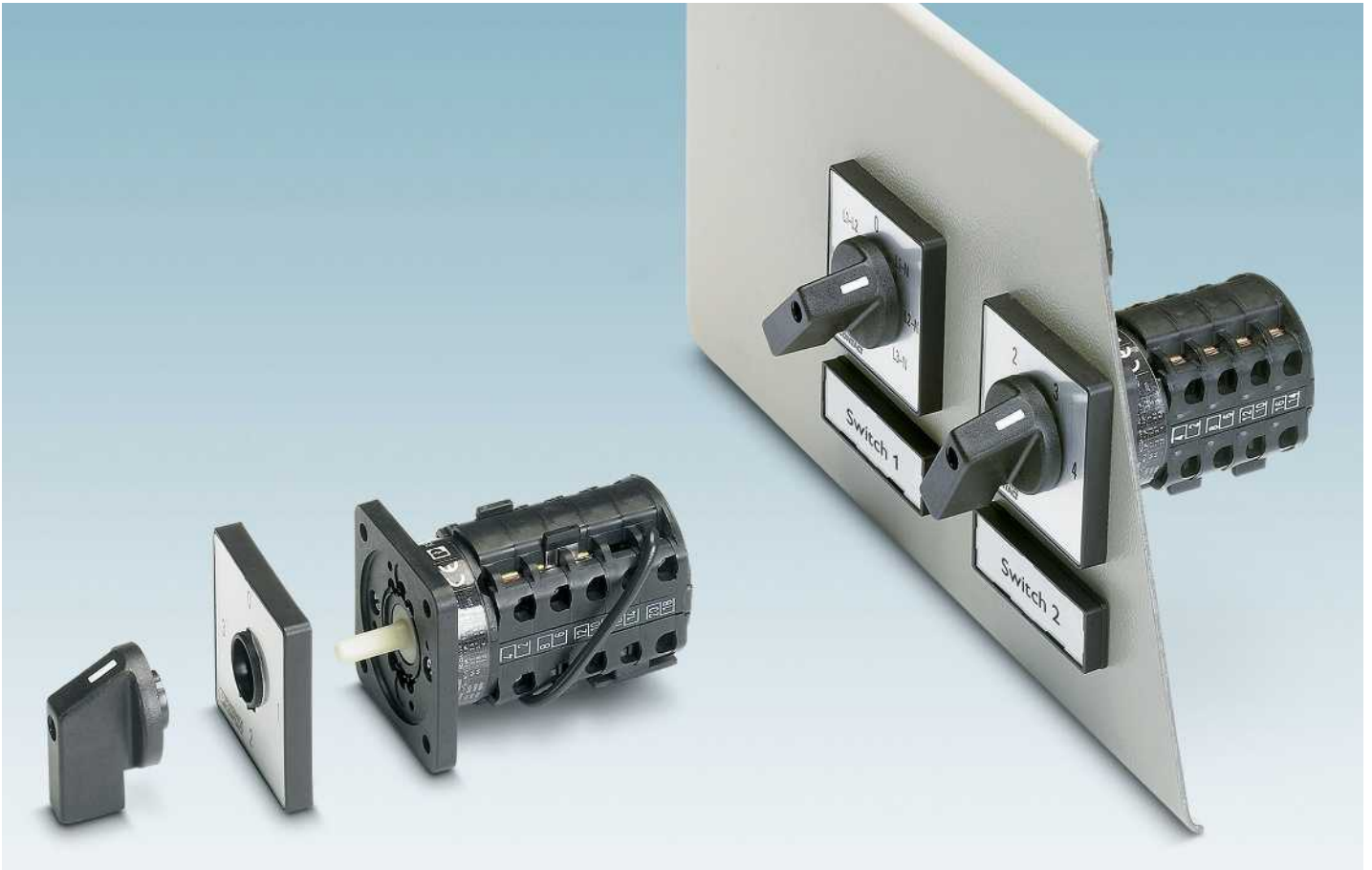
## Colored PSBJ ... test sockets



- 4 mm safety test leads with fixed insulation according to EN 61010–031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 534) can be attached with test sockets.



Description	Color	Ordering data		
		Type	Order No.	Pcs. / Pkt.
<b>Test socket, insulated</b>	transparent	<b>PSBJ-URTK 6 FARBLOS</b>	<a href="#">3026450</a>	10
	red	<b>PSBJ-URTK 6 RD</b>	<a href="#">3026719</a>	10
	blue	<b>PSBJ-URTK 6 BU</b>	<a href="#">3026434</a>	10
	yellow	<b>PSBJ-URTK 6 YE</b>	<a href="#">3026405</a>	10
	green	<b>PSBJ-URTK 6 GN</b>	<a href="#">3026418</a>	10
	violet	<b>PSBJ-URTK 6 VT</b>	<a href="#">3026421</a>	10
	black	<b>PSBJ-URTK 6 BK</b>	<a href="#">3026447</a>	10
	gray	<b>PSBJ-URTK 6 GY</b>	<a href="#">3026612</a>	10
	brown	<b>PSBJ-URTK 6 BN</b>	<a href="#">3026971</a>	10



### Compact design

Thanks to their compact design and the direction of the conductor connection, the rotary switches are ideally suited for switchgear, in which space is limited.



### Universal and zero-maintenance

The main features of the 2.5 mm<sup>2</sup> screw connection are:

- Plus/minus screw drive
- Captive screw and safe screwdriver guidance
- Open in the delivery state
- Connection of conductors with and without ferrule or fork-type cable lug.



### Individual marking

With the CLIP PROJECT marking software and EML-RS marking material, rotary switches can be individually designed with all Unicode-compatible fonts. See Catalog 5 for this and additional marking material.





# Sector-specific solutions

## Solutions for energy technology

### Voltmeter changeover switch, ammeter changeover switch, control switch

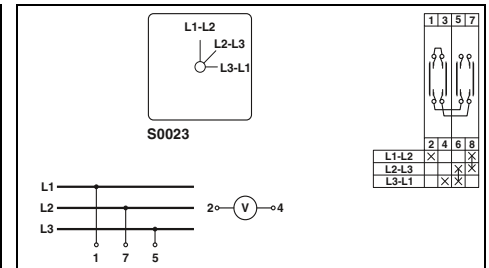
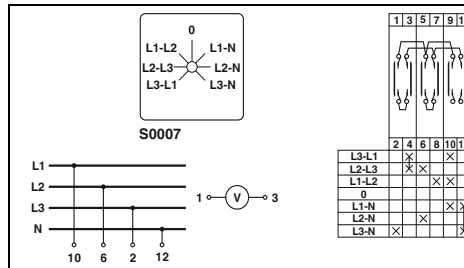
<b>Notes:</b>
For corresponding marker carriers, refer to Catalog 5.
<sup>1)</sup> For electrical values according to IEC 60947-3, see page 581.



2.5 (2.5) mm<sup>2</sup>, 20 A, voltmeter switch with 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, voltmeter switch without 0 setting



<b>Dimensions</b>			
48	81.5	43	
[mm]			
<b>Max. electrical data</b>			
I <sub>max.</sub> [A]	20		
U <sub>max.</sub> [V]	690		
Max. Ø [mm <sup>2</sup> ]	0.5 - 2.5		
AWG	18 - 14		
<b>Rated data</b>			
IEC	UL / CUL	CSA	
Rated insulation voltage [V]	690 <sup>1)</sup>	300	-
Rated continuous current [A]	20	20	-
Cross section range AWG	20 - 14	20 - 12	-
<b>Connection capacity</b>			
Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor [mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5 1.5 - 1.5
2 conductors (of the same type) [mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5 -
<b>Operating current, switching capacity</b>	See page 581		
<b>Breaking capacity</b>	See page 581		
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
<b>Immunity to short-circuiting</b>			
Max. backup fuse gL/gG characteristics [A]	25		
Rated short-time current resistance (1 s current) [A]	140		
<b>General data</b>			
Stripping length [mm]	8		
Tightening torque [Nm]	0.7 - 0.8		

<b>Technical data</b>			
Width	Length	Installation depth	
48	81.5	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
Rated insulation voltage [V]	690 <sup>1)</sup>	300	-
Rated continuous current [A]	20	20	-
Cross section range AWG	20 - 14	20 - 12	-
<b>Connection capacity</b>			
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
<b>Operating current, switching capacity</b>	See page 581		
<b>Breaking capacity</b>	See page 581		
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
Max. backup fuse gL/gG characteristics [A]	25		
Rated short-time current resistance (1 s current) [A]	140		
<b>General data</b>			
Stripping length [mm]	8		
Tightening torque [Nm]	0.7 - 0.8		

<b>Technical data</b>			
Width	Length	Installation depth	
48	72	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
Rated insulation voltage [V]	690 <sup>1)</sup>	300	-
Rated continuous current [A]	20	20	-
Cross section range AWG	20 - 14	20 - 12	-
<b>Connection capacity</b>			
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
<b>Operating current, switching capacity</b>	See page 581		
<b>Breaking capacity</b>	See page 581		
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
Max. backup fuse gL/gG characteristics [A]	25		
Rated short-time current resistance (1 s current) [A]	140		
<b>General data</b>			
Stripping length [mm]	8		
Tightening torque [Nm]	0.7 - 0.8		

<b>Description</b>	<b>Color</b>
<b>Voltmeter changeover switch with 0 position,</b> three linked voltages and three phases to N, L3-L1 - L2-L3 - L1-L2 - 0 - L1-N - L2-N - L3-N	silver/black
<b>Voltmeter changeover switch without 0 position,</b> three linked voltages, L1-L2 - L2-L3 - L3-L1	silver/black
<b>Ammeter changeover switch,</b> three transformer circuits with 0 position, 0 - 1 - 2 - 3	silver/black
<b>Ammeter changeover switch, all-round switching</b> three transformer circuits with 0 position, 0 - 1 - 2 - 3	silver/black
<b>Control switch,</b> STOP > < START, withdrawal	silver/black

<b>Ordering data</b>		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
RS20-US-S0007-0307-014H-001	3069701	1

<b>Ordering data</b>		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
RS20-US-S0023-0203-014H-001	3069702	1

<b>Accessories</b>	
<b>Screwdriver</b>	SF-SL 0,6X3,5-100 S-VDE

	1212587	10
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	1212587	10
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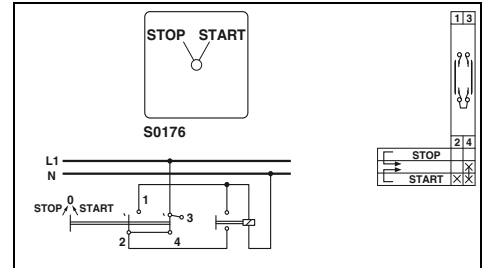
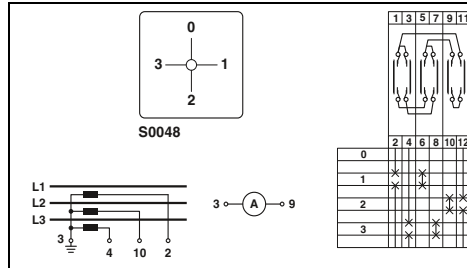
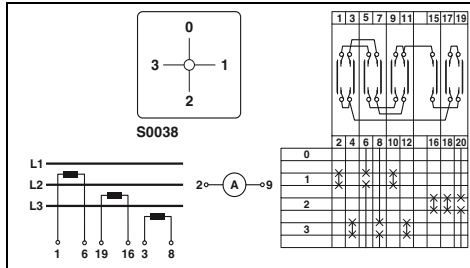
2.5 (2.5) mm<sup>2</sup>, 20 A,  
ammeter switch



2.5 (2.5) mm<sup>2</sup>, 20 A,  
ammeter switch



2.5 (2.5) mm<sup>2</sup>, 20 A,  
control switch



Technical data			
Width	Length	Installation depth	
48	100.5	71.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	81.5	52.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0038-0504-014H-001	3069703	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0048-0304-014H-001	3069704	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0176-0102-014H-001	3069705	1

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10





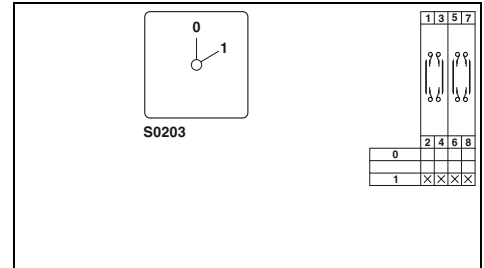
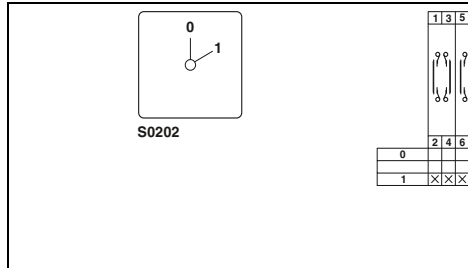
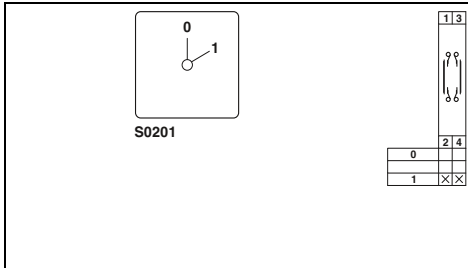
2.5 (2.5) mm<sup>2</sup>, 20 A, off switch



2.5 (2.5) mm<sup>2</sup>, 20 A, off switch



2.5 (2.5) mm<sup>2</sup>, 20 A, off switch



Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	72	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	72	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0201-0102-014H-001	3069707	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0202-0202-014H-001	3069708	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0203-0202-014H-001	3069709	1

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

### Changeover switch with 0 position

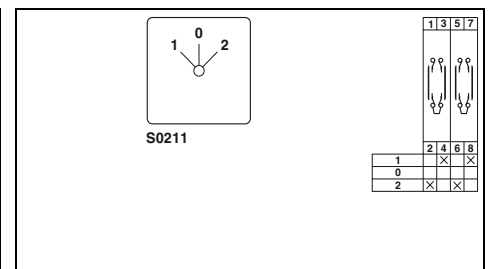
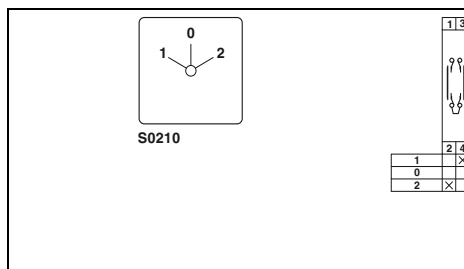
<b>Notes:</b>
For corresponding marker carriers, refer to Catalog 5.
1) For electrical values according to IEC 60947-3, see page 581.



2.5 (2.5) mm<sup>2</sup>, 20 A, switch with 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, switch with 0 setting



Dimensions	
Width	48 [mm]
Max. electrical data	
I <sub>max.</sub> [A]	20
Rated data	
Rated insulation voltage [V]	690 <sup>1)</sup>
Rated continuous current [A]	20
Cross section range AWG	20 - 14
Connection capacity	
1 conductor [mm <sup>2</sup> ]	0.5 - 2.5
2 conductors (of the same type) [mm <sup>2</sup> ]	0.5 - 2.5
Operating current, switching capacity	
See page 581	
Breaking capacity	
150 A (220 - 240 V)	
150 A (380 - 440 V)	
80 A (660 - 690 V)	
Immunity to short-circuiting	
Max. backup fuse gL/gG characteristics [A]	25
Rated short-time current resistance (1 s current) [A]	140
General data	
Stripping length [mm]	8
Tightening torque [Nm]	0.7 - 0.8

Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

Technical data			
Width	Length	Installation depth	
48	72	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-

Ordering data	
Description	Color
Changeover switch with 0 position, 1 - 0 - 2	silver/black
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black

Ordering data			
Type	Order No.	Pcs. / Pkt.	
RS20-US-S0210-0103-014H-001	3069710	1	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
RS20-US-S0211-0203-014H-001	3069711	1	

Accessories	
Screwdriver	SF-SL 0,6X3,5-100 S-VDE

Accessories			
SF-SL 0,6X3,5-100 S-VDE	1212587	10	

Accessories			
SF-SL 0,6X3,5-100 S-VDE	1212587	10	



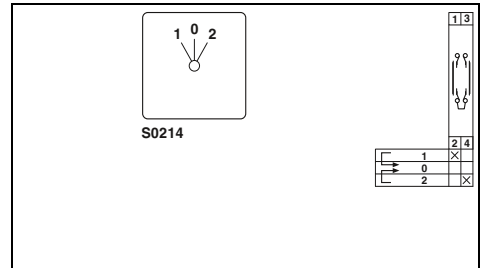
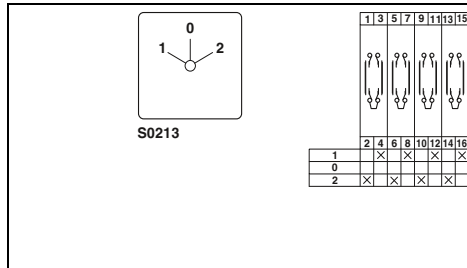
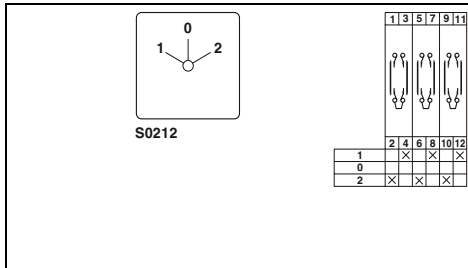
2.5 (2.5) mm<sup>2</sup>, 20 A, switch with 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, switch with 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, switch with 0 setting



Technical data			
Width	Length	Installation depth	
48	82.5	52.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	91	62	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0212-0303-014H-001	3069712	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0213-0403-014H-001	3069713	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0214-0103-014H-001	3069723	1

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

### Changeover switch with and without 0 position

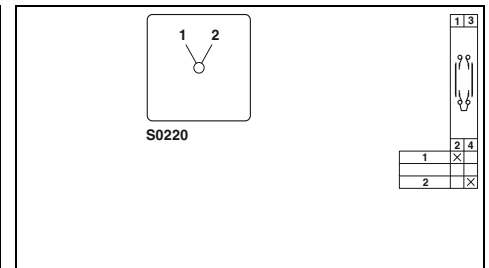
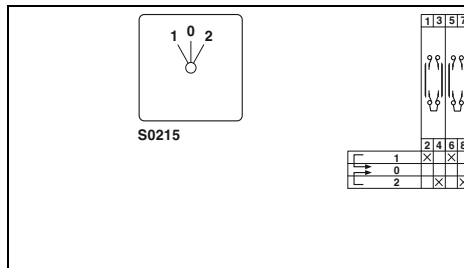
<b>Notes:</b>
For corresponding marker carriers, refer to Catalog 5.
1) For electrical values according to IEC 60947-3, see page 581.



2.5 (2.5) mm<sup>2</sup>, 20 A, switch with 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, switch without 0 setting



#### Technical data

<b>Dimensions</b>				
	Width	Length	Installation depth	
	48	72	43	
<b>Max. electrical data</b>				
	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
	20	690 <sup>1)</sup>	0.5 - 2.5	18 - 14
<b>Rated data</b>				
	IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690 <sup>1)</sup>	300	-
Rated continuous current	[A]	20	20	-
Cross section range	AWG	20 - 14	20 - 12	-
<b>Connection capacity</b>				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5 1.5 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5 -
<b>Operating current, switching capacity</b>	See page 581			
<b>Breaking capacity</b>	See page 581			
	150 A (220 - 240 V)			
	150 A (380 - 440 V)			
	80 A (660 - 690 V)			
<b>Immunity to short-circuiting</b>				
Max. backup fuse gL/gG characteristics	[A]	25		
Rated short-time current resistance (1 s current)	[A]	140		
<b>General data</b>				
Stripping length	[mm]	8		
Tightening torque	[Nm]	0.7 - 0.8		

#### Technical data

<b>Dimensions</b>				
	Width	Length	Installation depth	
	48	62.5	33.5	
<b>Max. electrical data</b>				
	I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
	20	690 <sup>1)</sup>	0.5 - 2.5	18 - 14
<b>Rated data</b>				
	IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690 <sup>1)</sup>	300	-
Rated continuous current	[A]	20	20	-
Cross section range	AWG	20 - 14	20 - 12	-
<b>Connection capacity</b>				
	Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5 1.5 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5 -
<b>Operating current, switching capacity</b>	See page 581			
<b>Breaking capacity</b>	See page 581			
	150 A (220 - 240 V)			
	150 A (380 - 440 V)			
	80 A (660 - 690 V)			
<b>Immunity to short-circuiting</b>				
Max. backup fuse gL/gG characteristics	[A]	25		
Rated short-time current resistance (1 s current)	[A]	140		
<b>General data</b>				
Stripping length	[mm]	8		
Tightening torque	[Nm]	0.7 - 0.8		

#### Ordering data

Description	Color
Changeover switch with 0 position, 1 > 0 < 2 with withdrawal on both sides	silver/black
Changeover switch without 0 position, 1 - 2	silver/black
Changeover switch without 0 position, with electrically isolated contacts 1 - 2 symmetrical	silver/black

Type	Order No.	Pcs. / Pkt.
RS20-US-S0215-0203-014H-001	3069724	1

#### Ordering data

Type	Order No.	Pcs. / Pkt.
RS20-US-S0220-0102-014H-001	3069714	1

#### Accessories

Screwdriver
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SF-SL 0,6X3,5-100 S-VDE	1212587	10
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#### Accessories

SF-SL 0,6X3,5-100 S-VDE	1212587	10
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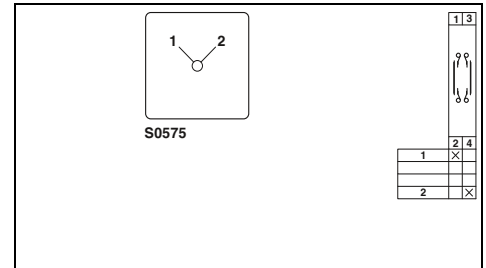
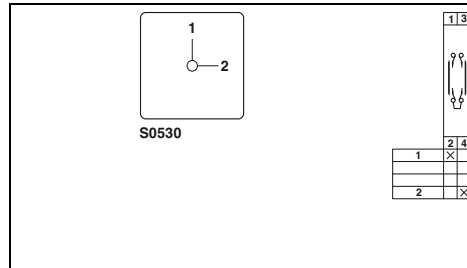
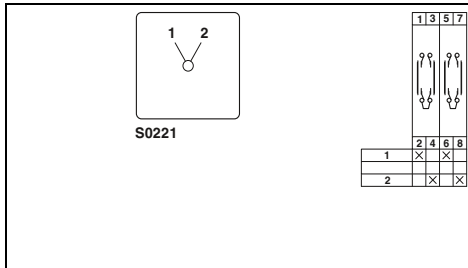
2.5 (2.5) mm<sup>2</sup>, 20 A, switch without 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, switch without 0 setting



2.5 (2.5) mm<sup>2</sup>, 20 A, switch without 0 setting,  
with electrically isolated contacts



Technical data			
Width	Length	Installation depth	
48	72	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690 <sup>1)</sup>	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690 <sup>1)</sup>	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690 <sup>1)</sup>	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0221-0202-014H-001	3069715	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0530-0102-014H-001	3069725	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0575-0102-014H-001	3069719	1

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

### Changeover switch, step switch

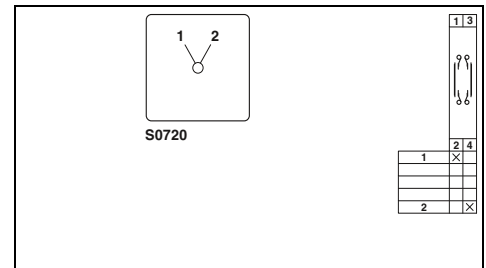
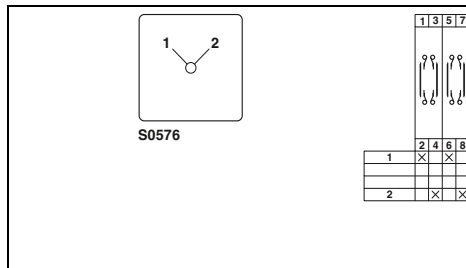
<b>Notes:</b>
For corresponding marker carriers, refer to Catalog 5.
1) For electrical values according to IEC 60947-3, see page 581.



2.5 (2.5) mm<sup>2</sup>, 20 A, switch without 0 setting, with electrically isolated contacts



2.5 (2.5) mm<sup>2</sup>, 20 A, switch without 0 setting, with electrically isolated contacts



		Technical data			
<b>Dimensions</b>		Width	Length	Installation depth	
	[mm]	48	72	43	
<b>Max. electrical data</b>		I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
		20	690	0.5 - 2.5	18 - 14
<b>Rated data</b>		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690 <sup>1)</sup>	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
<b>Operating current, switching capacity</b>		See page 581			
<b>Breaking capacity</b>		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
<b>Immunity to short-circuiting</b>		25			
Max. backup fuse gL/gG characteristics	[A]	140			
Rated short-time current resistance (1 s current)	[A]	140			
<b>General data</b>		8			
Stripping length	[mm]	0.7 - 0.8			
Tightening torque	[Nm]	0.7 - 0.8			

		Technical data			
<b>Dimensions</b>		Width	Length	Installation depth	
	[mm]	48	62.5	33.5	
<b>Max. electrical data</b>		I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
		20	690	0.5 - 2.5	18 - 14
<b>Rated data</b>		IEC	UL / CUL	CSA	
Rated insulation voltage	[V]	690 <sup>1)</sup>	300	-	
Rated continuous current	[A]	20	20	-	
Cross section range	AWG	20 - 14	20 - 12	-	
<b>Connection capacity</b>		Solid	Stranded	Ferrule without/with plastic sleeve	
1 conductor	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
<b>Operating current, switching capacity</b>		See page 581			
<b>Breaking capacity</b>		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)			
<b>Immunity to short-circuiting</b>		25			
Max. backup fuse gL/gG characteristics	[A]	140			
Rated short-time current resistance (1 s current)	[A]	140			
<b>General data</b>		8			
Stripping length	[mm]	0.7 - 0.8			
Tightening torque	[Nm]	0.7 - 0.8			

		Ordering data		
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
Changeover switch without 0 position, with electrically isolated contacts	silver/black	RS20-US-S0576-0202-014H-001	3069720	1
Step switch with 0 position, four steps	silver/black			
Step switch with 0 position, three steps	silver/black			
Step switch without 0 position, three steps	silver/black			

		Ordering data		
<b>Description</b>	<b>Color</b>	<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
Changeover switch without 0 position, with electrically isolated contacts	silver/black	RS20-US-S0720-0102-014H-001	3069722	1
Step switch with 0 position, four steps	silver/black			
Step switch with 0 position, three steps	silver/black			
Step switch without 0 position, three steps	silver/black			

		Accessories		
<b>Screwdriver</b>		SF-SL 0,6X3,5-100 S-VDE	1212587	10

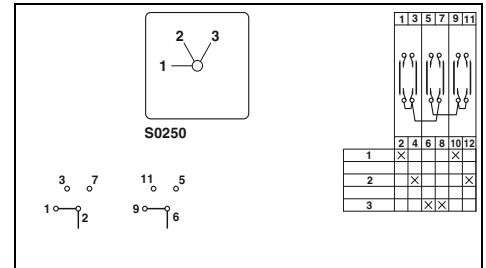
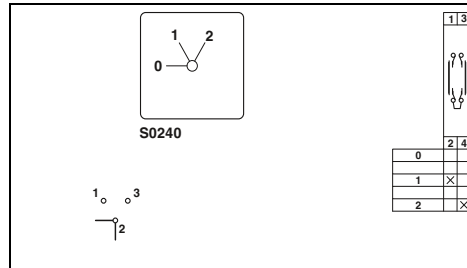
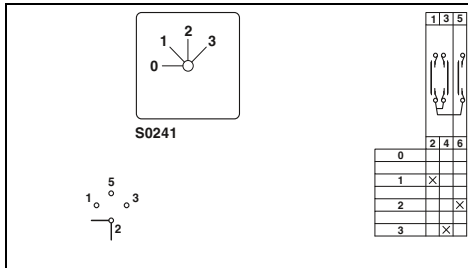
		Accessories		
<b>Screwdriver</b>		SF-SL 0,6X3,5-100 S-VDE	1212587	10



2.5 (2.5) mm<sup>2</sup>, 20 A, stage switch with 0 setting

2.5 (2.5) mm<sup>2</sup>, 20 A, stage switch with 0 setting

2.5 (2.5) mm<sup>2</sup>, 20 A, stage switch without 0 setting



Technical data			
Width	Length	Installation depth	
48	62.5	33.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	72	43	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Technical data			
Width	Length	Installation depth	
48	81.5	52.5	
I <sub>max.</sub> [A]	U <sub>max.</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
690 <sup>1)</sup>	300	-	
20	20	-	
20 - 14	20 - 12	-	
Solid	Stranded	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	1.5 - 1.5
0.5 - 2.5	0.75 - 2.5	2.5 - 2.5	-
See page 581			
150 A (220 - 240 V)			
150 A (380 - 440 V)			
80 A (660 - 690 V)			
25			
140			
8			
0.7 - 0.8			

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0241-0204-014H-001	3069716	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0240-0103-014H-001	3069717	1

Ordering data		
Type	Order No.	Pcs. / Pkt.
RS20-US-S0250-0303-014H-001	3069718	1

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

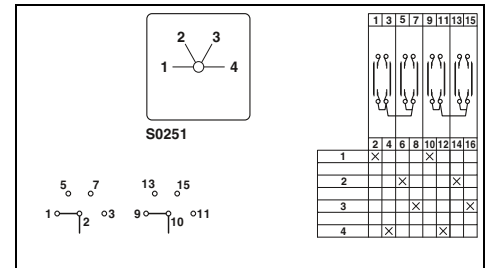
Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

Accessories		
SF-SL 0,6X3,5-100 S-VDE	1212587	10

<b>Notes:</b>
For corresponding marker carriers, refer to Catalog 5.
<sup>1)</sup> For electrical values according to IEC 60947-3, see page 581.



**2.5 (2.5) mm<sup>2</sup>, 20 A,  
stage switch without 0 setting**



<b>Dimensions</b>		
		[mm]
<b>Max. electrical data</b>		
<b>Rated data</b>		
Rated insulation voltage	[V]	690 <sup>1)</sup>
Rated continuous current	[A]	20
Cross section range	AWG	20 - 14
<b>Connection capacity</b>		
1 conductor	[mm <sup>2</sup> ]	0.5 - 2.5
2 conductors (of the same type)	[mm <sup>2</sup> ]	0.5 - 2.5
<b>Operating current, switching capacity</b>		
		See page 581
<b>Breaking capacity</b>		
		150 A (220 - 240 V) 150 A (380 - 440 V) 80 A (660 - 690 V)
<b>Immunity to short-circuiting</b>		
Max. backup fuse gL/gG characteristics	[A]	25
Rated short-time current resistance (1 s current)	[A]	140
<b>General data</b>		
Stripping length	[mm]	8
Tightening torque	[Nm]	0.7 - 0.8

#### Technical data

Width	Length	Installation depth	
48	91	62	
I <sub>max</sub> [A]	U <sub>max</sub> [V]	Max. Ø [mm <sup>2</sup> ]	AWG
20	690	0.5 - 2.5	18 - 14
IEC	UL / CUL	CSA	
		Ferrule	
		without/with plastic sleeve	
Solid	Stranded	2.5 - 2.5	1.5 - 1.5
		2.5 - 2.5	-

#### Ordering data

Description	Color
<b>Step switch without 0 position, four steps</b>	silver/black

Type	Order No.	Pcs. / Pkt.
<b>RS20-US-S0251-0404-014H-001</b>	<b>3069721</b>	1

#### Accessories

<b>Screwdriver</b>
--------------------

<b>SF-SL 0,6X3,5-100 S-VDE</b>	<b>1212587</b>	10
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## Electrical values according to IEC 60947-3, VDE 0660 Part 107

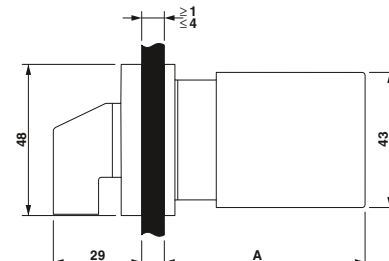
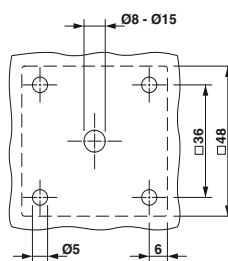
Rated data			
Rated continuous current $I_N/I_{th}$			20 A
Rated insulation voltage $U_i$ <sup>1)</sup>			690 V
Rated impulse withstand voltage $U_{imp}$			6 kV
Rated operating current $I_o$			
AC-21A	Switching of ohmic loads including small overloads		20 A
AC-22A	Switching of mixed ohmic and inductive loads including small overloads		20 A
		220 V - 500 V	20 A
		660 V - 690 V	20 A
AC-15	Switching of solenoid drives, contactors, valves, pulling electromagnets		5 A
		220 V - 240 V	4 A
		380 V - 440 V	4 A
Switching capacity			
AC-2	Starting of slip ring motors, reversing and plugging, star-delta startup	3-phase, 3-pos.	220 V - 240 V 4 kW 380 V - 440 V 7.5 kW 500 V 10 kW 660 V - 690 V 10 kW
AC-3	Direct starting of squirrel-cage motors, switching off during operation, star-delta startup (CH16B)	3-phase, 3-pos.	220 V - 240 V 3 kW 380 V - 440 V 5.5 kW 500 V 5.5 kW 660 V - 690 V 5.5 kW
		1-phase, 2-pos.	110 V - 120 V 0.6 kW 220 V - 240 V 2.2 kW 380 V - 440 V 3 kW
AC-4	Starting of squirrel-cage motors, reversing, plugging, inching	3-phase, 3-pos.	220 V - 240 V 0.55 kW 380 V - 440 V 1.5 kW 500 V 1.5 kW 660 V - 690 V 1.5 kW
		1-phase, 2-pos.	110 V - 120 V 0.3 kW 220 V - 240 V 0.75 kW 380 V - 440 V 1.5 kW
AC-23A	Frequent switching of motors or other highly inductive loads	3-phase, 3-pos.	220 V - 240 V 3.7 kW 380 V - 440 V 7.5 kW 500 V 7.5 kW 660 V - 690 V 7.5 kW
		1-phase, 2-pos.	110 V - 120 V 0.75 kW 220 V - 240 V 2.5 kW 380 V - 440 V 3.7 kW
Breaking capacity			
			220 V - 240 V 150 A 380 V - 440 V 150 A 660 V - 690 V 80 A
Max. ambient temperature of the contact unit <sup>1)</sup>			
Open at 100% $I_N/I_{th}$		55°C over 24 hours with peaks up to 60°C	
Encapsulated at 100% $I_{th}$		35°C over 24 hours with peaks up to 40°C	

## Switch types according to UL/CSA

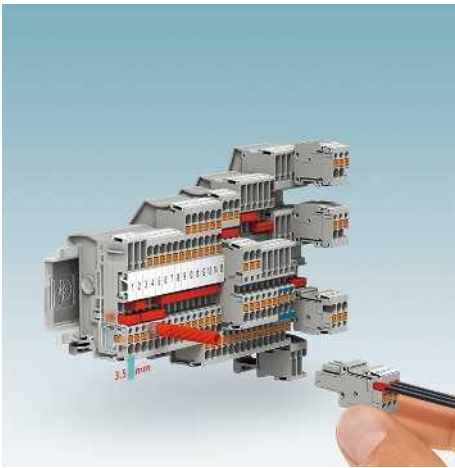
Rated data			
Rated continuous current $I_N/I_{th}$			20 A
Rated operating current $I_o$			
Pilot Duty		Heavy	A300 VAC
Ampere Rating	Non- or weakly inductive load		20 A
Switching capacity			
Normal motor load, DOL rating (similar to AC-3)		3-phase, 3-pos.	110 V - 120 V 1.5 HP 220 V - 240 V 3 HP
		1-phase, 2-pos.	110 V - 120 V 0.5 HP 220 V - 240 V 1 HP 277 V 2 HP
Heavy-duty motor load, reversing rating (similar to AC-4)		3-phase, 3-pos.	110 V - 120 V 0.5 HP 220 V - 240 V 1 HP
		1-phase, 2-pos.	110 V - 120 V 0.17 HP 220 V - 240 V 0.5 HP 277 V 0.6 HP

### Installation depth, dimension A

[mm]	Order No.
33.5	3069705, 3069706, 3069707, 3069710, 3069714, 3069717, 3069719, 3069722, 3069723, 3069725
43	3069700, 3069702, 3069708, 3069709, 3069711, 3069715, 3069716, 3069720, 3069724, 3069726
52.5	3069701, 3069704, 3069712, 3069718
62	3069713, 3069721
71.5	3069703



<sup>1)</sup> Valid for networks with grounded star point, surge voltage category III, pollution degree 3. Values for other network types on request.  
Storage temperature: -40°C to 85°C (no impact load permitted at temperatures below -5°C)



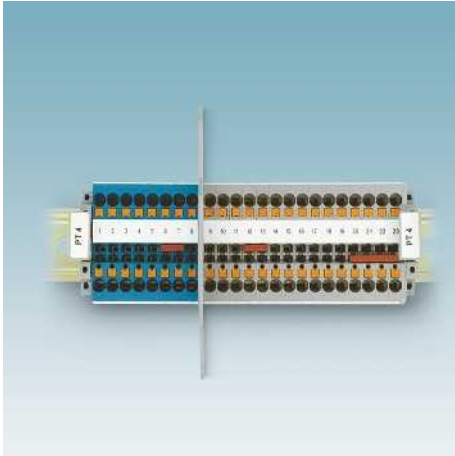
The PT 1,5/S series enables the space-saving and time-saving wiring of signals. With a terminal width of just 3.5 mm, solutions that can be disconnected and plugged in are available in addition to the wide range of feed-through terminal blocks.



With double-level knife disconnect terminal blocks, you can fit up to 572 signals in one meter. The clear color assignment of the disconnect element to the wiring level prevents errors that could occur were the wrong signal circuit opened.



The comprehensive range of disconnect and fuse terminal blocks offers numerous solutions for potentially explosive areas. All common protection concepts are included.



In addition to being used in applications with increased safety (Ex e), Phoenix Contact terminal blocks can also be used in intrinsically safe circuits. Blue versions are available for identification. Intrinsically safe and non-intrinsically safe circuits can be separated using corresponding partition plates.



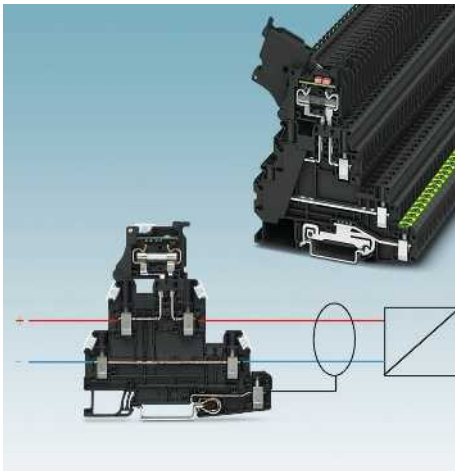
For applications with increased packing density for signal and potential distribution, PTRV marshalling terminals provide the ideal basis for user-friendly wiring thanks to their compact length and color design.

For marshalling terminals, see page 92 onwards.



For efficient wall and DIN rail mounting, the modular system of the PTMC marshalling patchboard enables customer-specific and color-true marshalling with any number of positions.

For marshalling patchboards, see page 99 onwards.



By combining the safety lever, feed-through, and PE foot, entire shielded signal circuits can be reliably wired in a single terminal block.

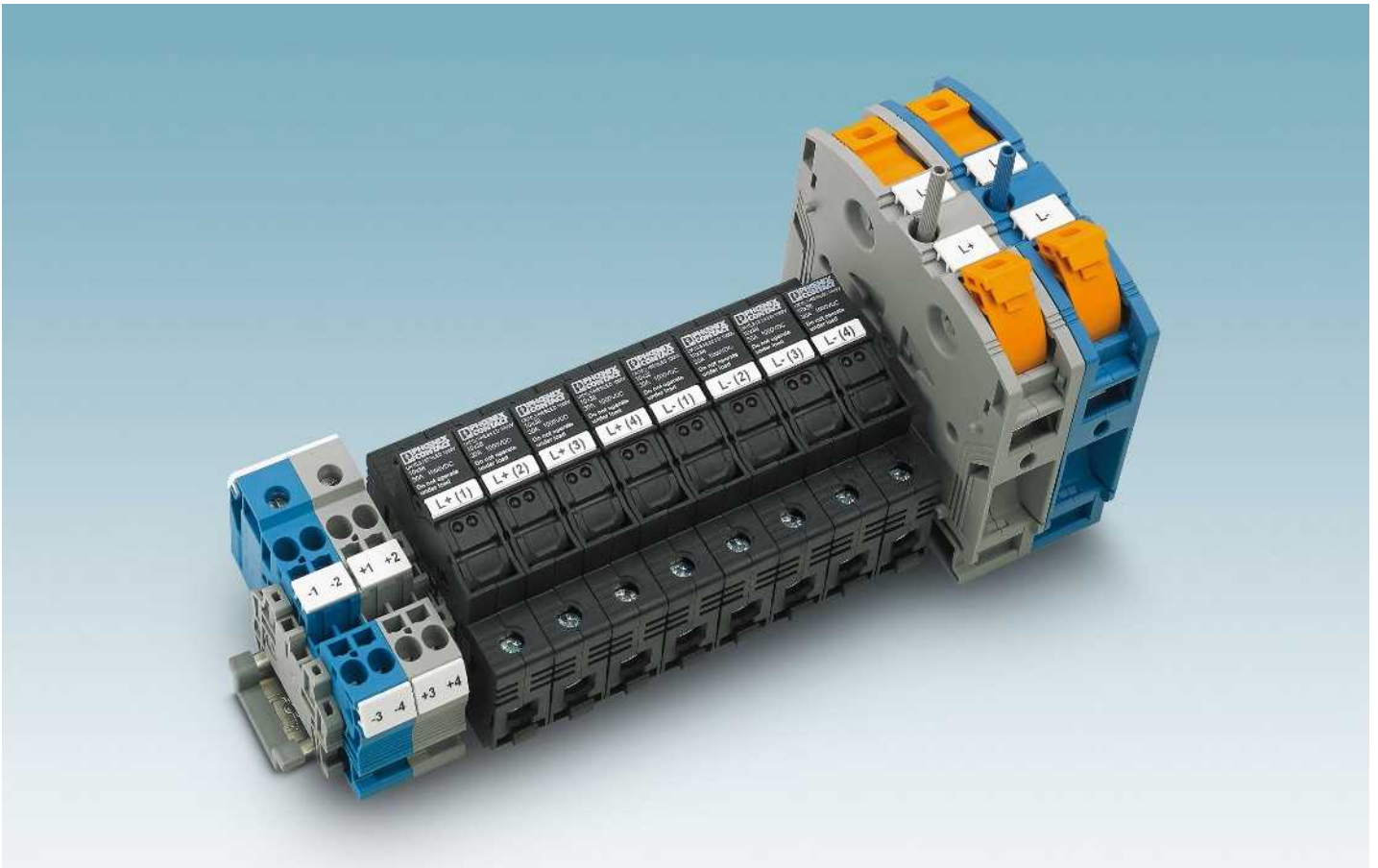
## Find out more with the web code

Detailed information on these products can be found on our website.



Simply enter # and numbers in the search field.





In the mix of renewable energies consisting of wind power, hydropower, biomass, and geothermal energy, solar power in Germany, for example, has taken the leading position. Throughout the world, solar energy generation offers the greatest potential and has enjoyed the most widespread acceptance.

While standard products can be used in the AC area of a solar system, a more specific approach is required for the DC area as a result of its special structure and characteristics.

In order to keep cable losses to a minimum, PV modules are connected to strings, thereby increasing the system voltage. Non-load voltages of PV systems reach up to 1000 V DC.

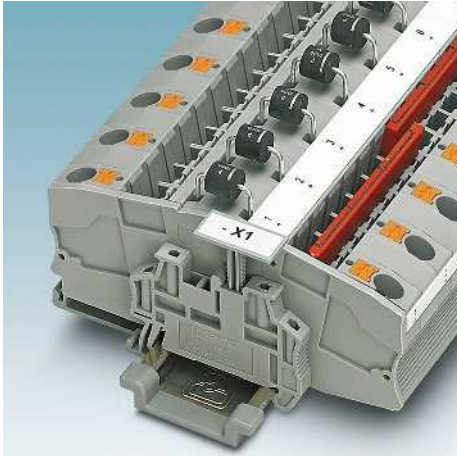
These high DC voltages place particular demands on the components used. In contrast to AC voltage, the DC voltage that is present allows creepage distances to be created very easily on the surface of insulating elements. The components used in this area must therefore have increased air and creepage distances.

In order to limit reverse currents which can occur in the event of a short circuit, the individual strings are protected. This preferably takes the form of 10.3 x 38 mm fuses in crystalline modules and blocking diodes incorporated into the circuit in thin-film modules.

Terminal blocks and fuses from Phoenix Contact cleverly meet the special requirements of photovoltaic systems. You will find a summary of all components in the "Components and systems for photovoltaics" brochure.

**The corresponding photovoltaic terminal blocks can be found in the relevant sections on the respective connection technologies.**

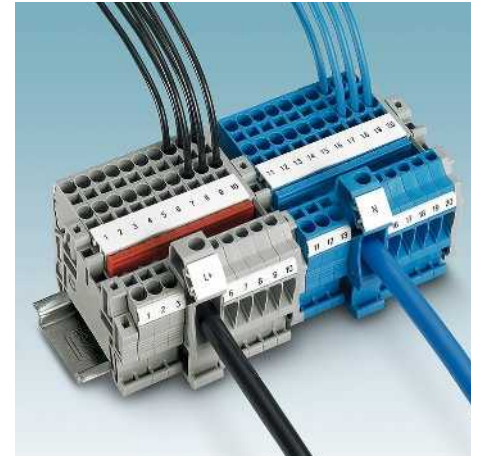




The STME 6-DIO HV and PTME 6-DIO HV diode terminal blocks serve as line diodes and are used in thin-film photovoltaic systems to prevent reverse currents. This means that the often sensitive thin-film modules are ideally protected to provide long-term stability.



Cables with larger cross sections are used for the connection between GCBs and inverters due to their higher currents and longer cable lengths. UKH ... and RBO ... terminal blocks can accommodate conductors with a cross section of up to 300 mm<sup>2</sup>.



Potential collective terminal blocks are available for a quick and space-saving interconnection of individual strings. The output side accommodates up to 35 mm<sup>2</sup> of conductor in a screw terminal block unit.



The DC line fuses feature a specially coordinated, ultra-fast gPV characteristic. They can safely and permanently transfer nominal currents of up to 20 A at system voltages of 1000 V and protect lines against reverse currents in the event of an error.

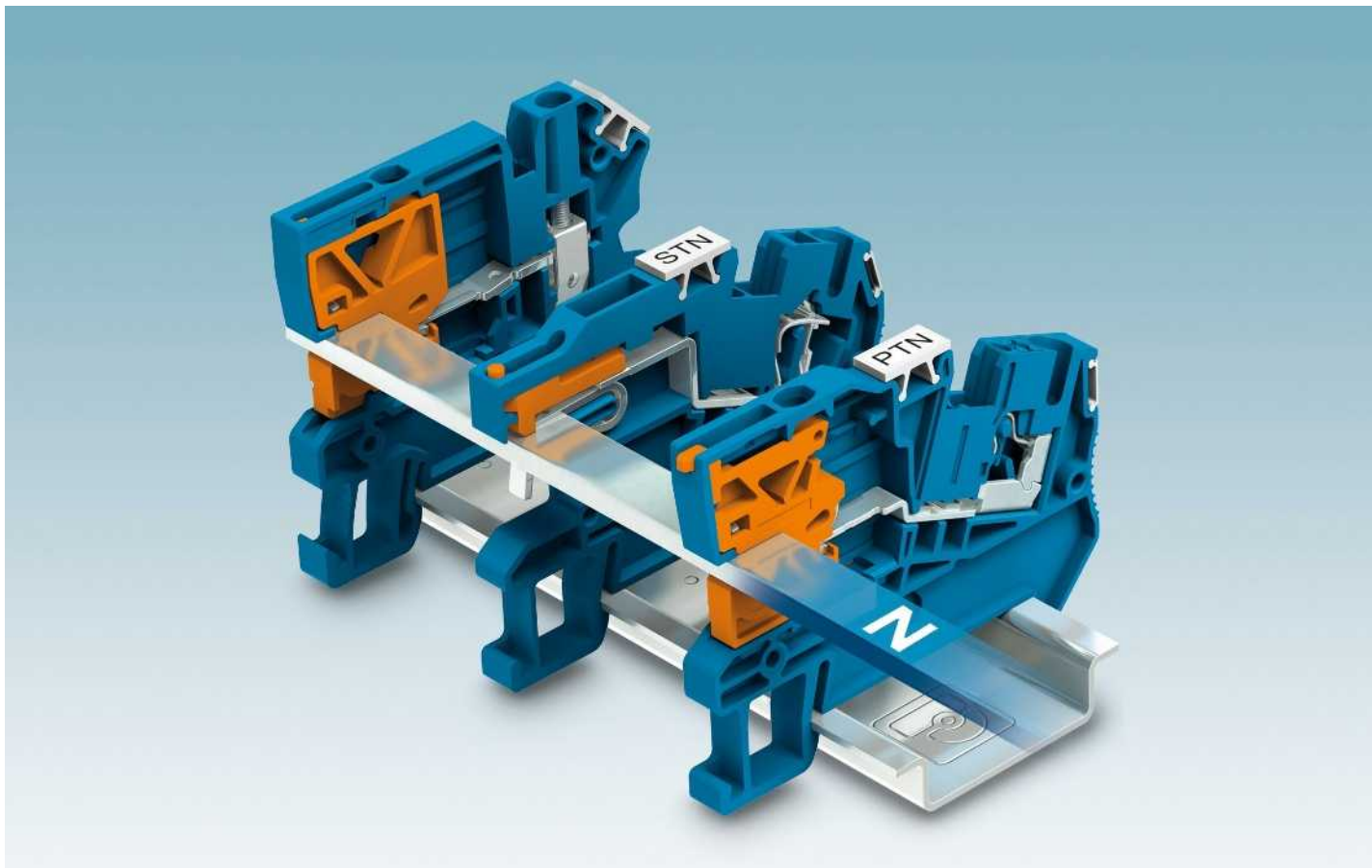
## Find out more with the web code

Detailed information on these products can be found on our website.



Simply enter # and numbers in the search field.





Electrical installations in communal facilities such as schools, hospitals, assembly points, restaurants, and all public buildings must fulfil special normative requirements. Insulation resistances must be measured during startup or when servicing the system according to DIN VDE 0108-100 (EN 50172) without directly disconnecting the neutral conductor.

Installation terminal blocks from Phoenix Contact are precisely tailored to the requirements of electrical installations and distributor construction.

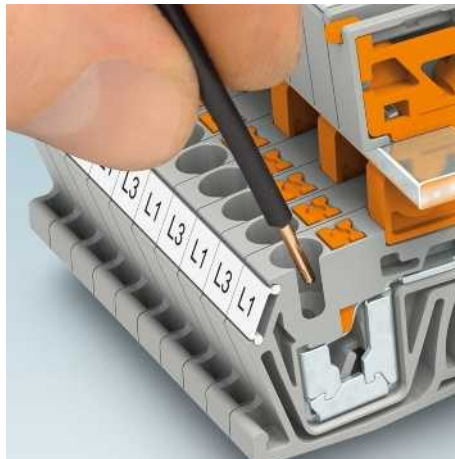
The neutral conductor can be conveniently separated for test purposes by means of a screwless, spring-loaded disconnect metal. When it is simply levered over with a standard screwdriver, it makes contact on the 3 x 10 mm standard profile. The disconnect slide locks into the end positions and the switching states are clearly signaled. These are sound prerequisites for the quick and safe testing of all versions. The double function shafts allow potentials to be multiplied with ease. Clearly visible marking surfaces and testing facilities at every terminal point ensure clarity, regardless of the mounting position.

Numerous versions with screw, spring-cage or push-in technology are available for all applications, and all versions are completely compatible.

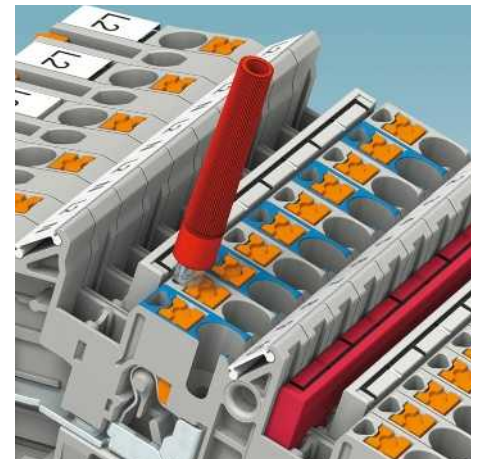
**The corresponding installation terminal blocks can be found in the relevant sections on the respective connection technologies.**



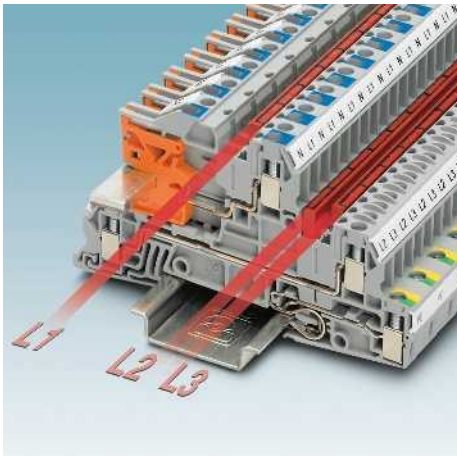
The screwless disconnect slide makes contact when it is simply slid onto the neutral busbar using a standard screwdriver. The switch position of the disconnect slide is clearly signaled.



PTI installation terminal blocks with push-in connection can be wired without tools. Strip the conductors, plug them in, and you're done. This represents a clear advantage in terms of the time it takes to perform wiring. The terminal blocks can be released using the actuation lever made from insulation material.



All installation terminal blocks are equipped with test openings on every level. All measurements and testing can therefore be carried out quickly and easily, even when all function shafts are occupied.



Double function shafts on each level provide comprehensive potential distribution. Even three-phase connections can be implemented conveniently and in a compact space with an overall width of just 10 mm. Lateral distribution is performed with FBS ... jumpers.

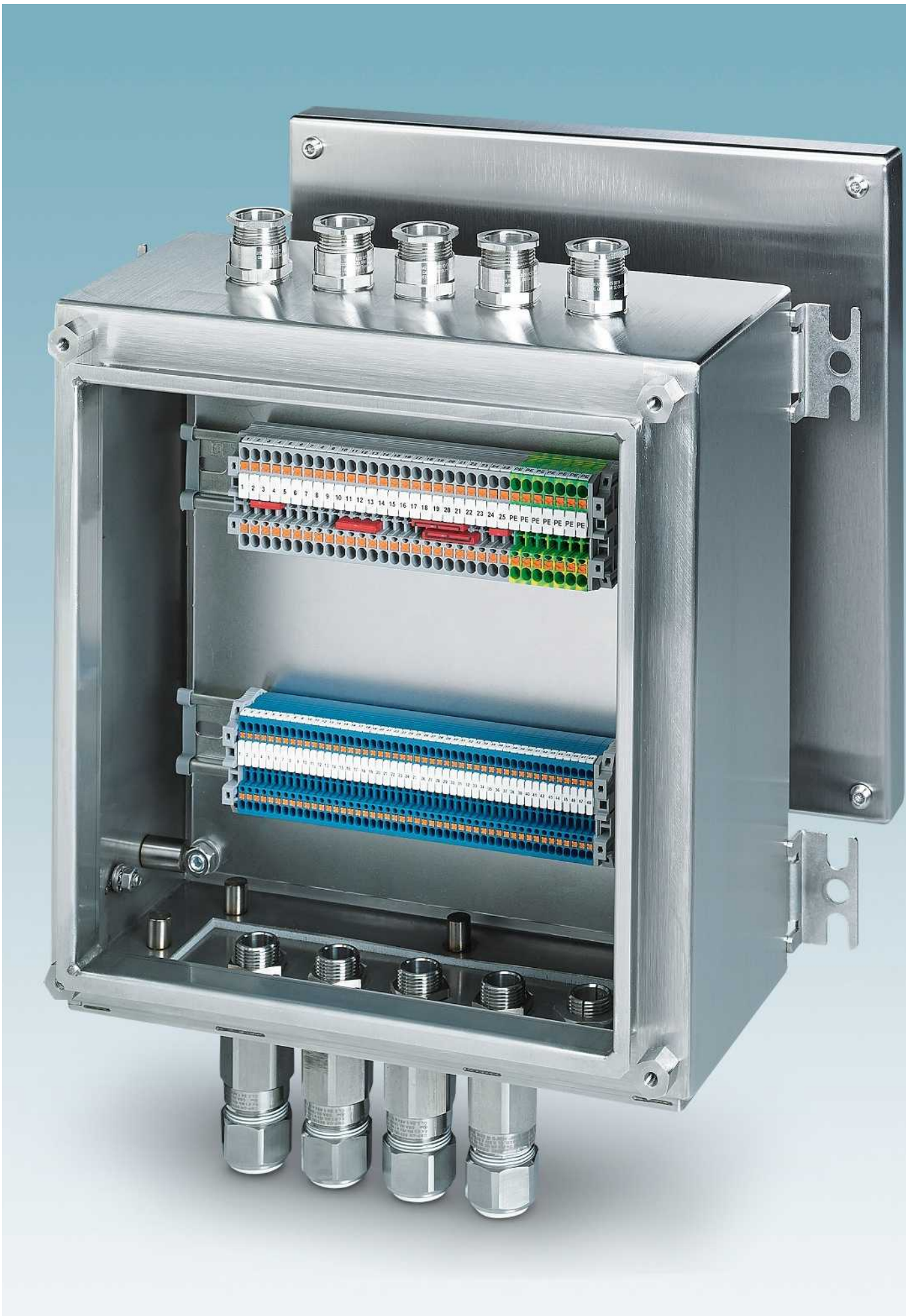
## Find out more with the web code

Detailed information on these products can be found on our website.



Simply enter # and numbers in the search field.






# Services - terminal strips, CLIPSAFE terminal boxes, planning and marking software

## Our services

In addition to future-oriented products, Phoenix Contact offers a comprehensive range of services tailored to your needs. This covers ready-made terminal strips, control boxes, as well as printed marking materials.

## CLIPSAFE terminal boxes

The robust CLIPSAFE stainless steel Ex terminal boxes and empty housings provide comprehensive protection for your application in industrial environments as well as in process technology. The housing range consists of standardized housings in sizes up to 1000 mm x 1000 mm x 300 mm. We can also machine these to your specifications, with consideration given to normative Ex standards according to ATEX and IECEx. They are supplied ready equipped with terminal blocks and cable glands for use in potentially explosive areas with corresponding device approval.

 **Your web code: #0140**

## Planning and marking software

The CLIP PROJECT planning and marking software consists of two modules:

- CLIP PROJECT Planning enables the quick and convenient planning and configuration of fault-free terminal strips.
- CLIP PROJECT Marking is a powerful piece of software for the creation of individual labels for terminal blocks, cables, lines, devices, and systems.

Thanks to the optimum interaction between the two modules, even in connection with electrical planning systems, the result is an end-to-end process chain: from planning and documentation, right up to the finished terminal strip or the finished marking.

The advanced version, CLIP PROJECT PROFESSIONAL, also features an efficient template designer, which can be used to design custom labels.

**The following product ranges can be found in Catalog 5**

**MARKING** system marking systems  
**TOOL** fox tools  
**CABINET** add-on mounting material

## Product range overview

Services - terminal strips	<b>590</b>
CLIPSAFE stainless steel Ex terminal boxes and empty housings	<b>592</b>
Planning and marking software	<b>594</b>



The perfect solution for every application. We integrate your selected components or pre-assembled terminal strips into the right industrial housing, regardless of whether they are made from stainless steel, sheet steel, aluminum, polyester or polycarbonate. Just install the control boxes and you're done.

We also offer consultation and a range of services for this. Our staff will be happy to work with you on site to create the ideal solution for your application, precisely tailored to your requirements.

Make the most of our comprehensive technical and industry-specific expertise. Reduce your planning and assembly time to a minimum with pre-installed terminal strips and housing solutions.

- Our services at a glance:
- Joint creation of solutions from components for the control cabinet to assembled terminal strips right through to a completely assembled housing
  - Phoenix Contact will also implement these solutions - including the creation of project-relevant documentation

**Make the most of our comprehensive product portfolio and range of services to create your optimum solution.**



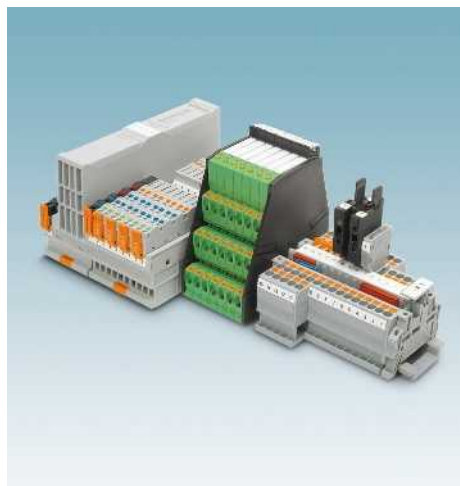
We work together with you to develop a tailor-made solution - perfectly matched to your application and needs. Make the most of our international sales network and local market proximity.



The Phoenix Contact product portfolio not only offers the right components for your control cabinet, but is also a solid foundation for creating complete housing solutions for your system installation.



With the CLIP PROJECT planning and marking software, we can plan, configure, and create your terminal strip quickly and easily for subsequent integration into the desired housing.



We create complete terminal strips, sets, and mounting plates according to your specifications, and these are consistently marked and delivered to you for direct mounting. This reduces your installation time to a minimum.



A complete housing solution also includes the quick and easy insertion of cables into the housing. With standard cable glands and the CES cable entry system, products with up to IP66 protection are available which meet this requirement.



With the MARKING system, informative and standard-compliant marking of control cabinets, switchgear, and their components can be implemented quickly, easily, and with high durability.



### Empty Ex housing

Choose the right stainless steel housing for your application from 140 Ex-approved versions. Custom dimensions and surface treatments are available on request.



### Empty Ex housing processed according to customer specifications

We can customize the housings according to your specifications with threads, bore holes, and rectangular cutouts, taking Ex standards according ATEX and IECEx into consideration.



### Ex terminal boxes

Terminal boxes are supplied ready equipped with terminal blocks and cable glands with corresponding ATEX and IECEx device approval. Individual control boxes with electronic components are available on request.





### Comprehensive product range

The housings are available as door or cover versions in nine different depths and sizes up to 1000 mm x 1000 mm x 300 mm. The robust housings made from up to 2 mm thick high-grade 1.4404 (V4A), AISI 316L stainless steel are ideal for use under extreme conditions.



### Flexible door stop

The door stop can be easily changed according to your individual requirements or the installation situation. The 135° opening angle of the door guarantees comfortable work during maintenance and servicing. The special door and cover seal guarantees a reliable seal even after it has been opened multiple times.



### Flexible wall fastening

The mounting brackets that are supplied as standard can be flexibly adapted to the installation situation. Welded-on mounting brackets are available on request.



### Individual flange plate fixing

The terminal boxes and empty housings can be equipped with flange plates on up to four sides. The flange plates are equipped with a patented protective sealing frame and with captive mounting screws.



### Safe outdoor use

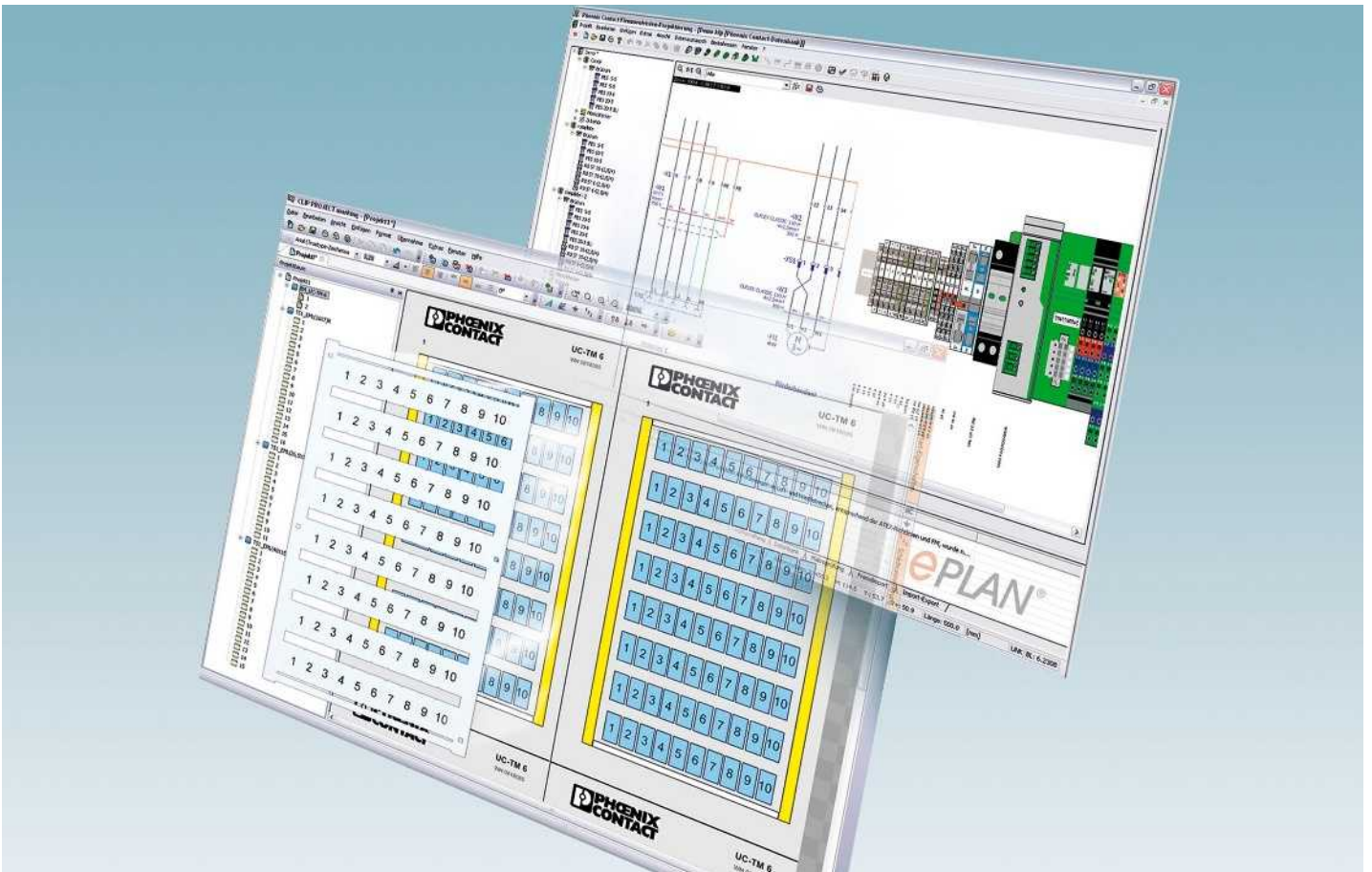
The housings satisfy all the requirements of IP66 protection according to EN 60529, NEMA 4X, and NEMA 250 and are designed for safe use outdoors in a temperature range from -55°C to 135°C. A drainage channel reliably prevents the ingress of moisture and dirt when opened.



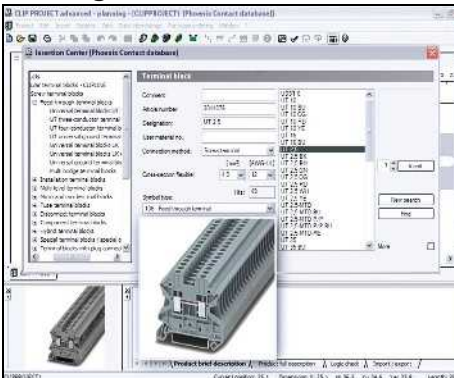
### Ex cable glands

A comprehensive range of Ex cable glands made from stainless steel or nickel-plated brass is available to safely feed through standard, reinforced, and shielded cables. IP66, IP67, and IP68 protection provides maximum safety.

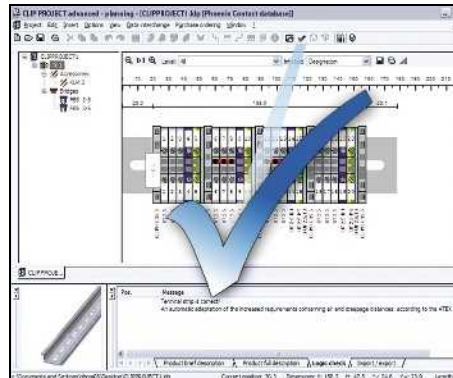
**i** Your web code: #0140



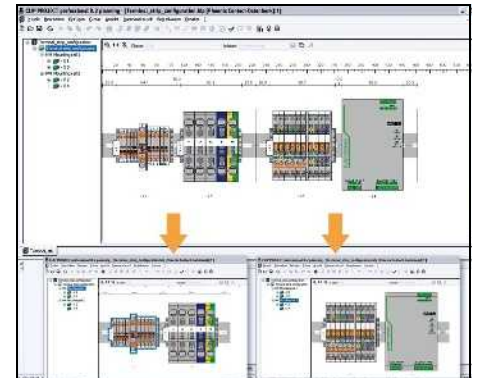
### Planning module



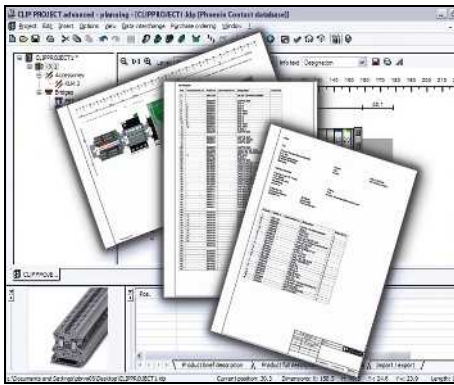
During selection, all Phoenix Contact products which can be fitted on DIN rails are displayed as a preview for rapid product selection.



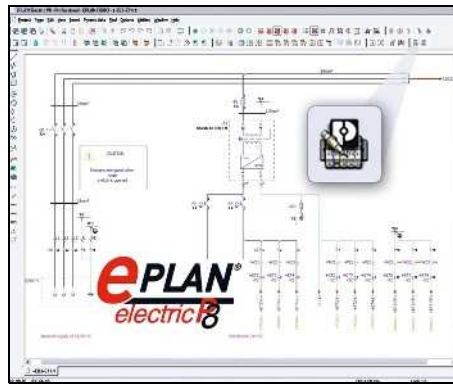
The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data are available at the click of a mouse.



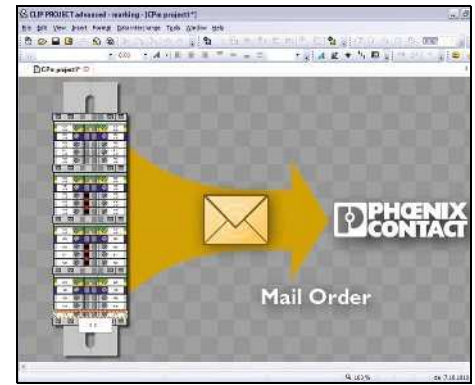
The configured terminal strips can be distributed across several DIN rails in order to determine the exact space requirements for installation.



Complete documentation and an effective 3D preview are available for rapidly and correctly producing the mechanical structure of the terminal strips.

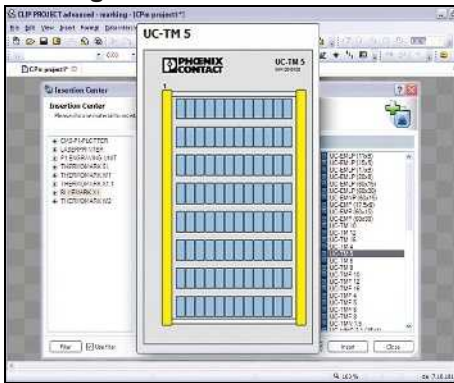


By integrating CLIP PROJECT into EPLAN P8, terminal strips are automatically produced from the circuit diagram in CLIP PROJECT. The product data is written back to the EPLAN parts lists using the two-way interface.

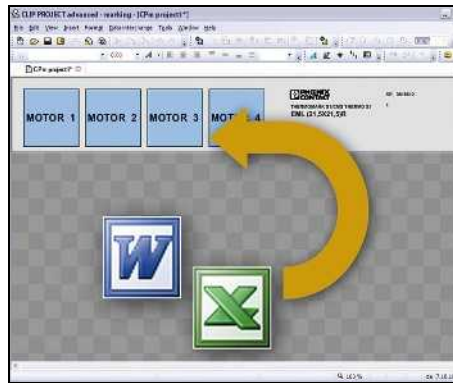


Phoenix Contact provides a terminal strip service. The terminal strips configured to suit your requirements can be ordered using the e-mail function. Phoenix Contact will supply the terminal strips promptly.

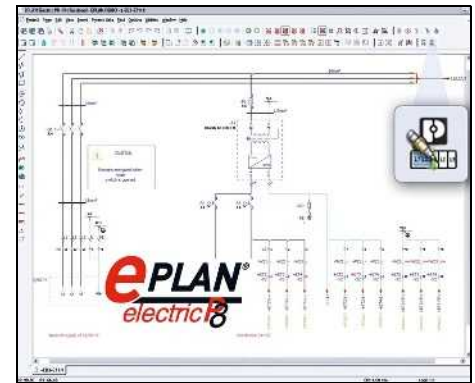
Marking module



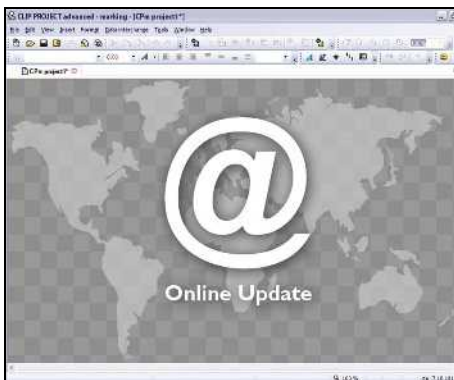
During selection, the marking materials are displayed as a preview for rapid product selection.



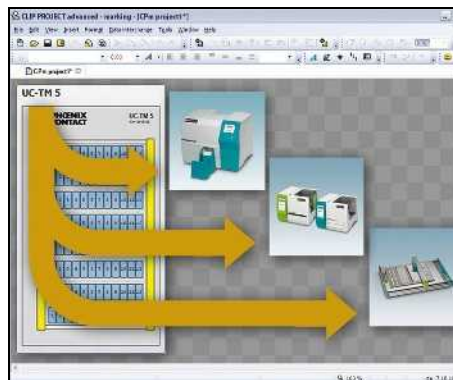
Interfaces to all CAE systems and spreadsheet and text processing programs are provided for the open exchange of data.



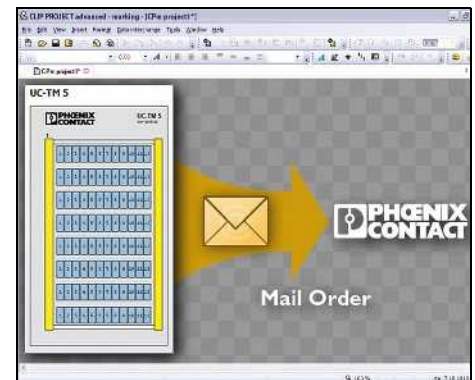
By integrating CLIP PROJECT into EPLAN P8, the marking data for terminal, conductor, and device marking can be automatically taken from the circuit diagram.



The online update immediately provides the user with new products and program extensions for the marking and planning module.



All Phoenix Contact output devices and standard office printers can be easily controlled with just one piece of software.



Phoenix Contact provides a marking service. Orders can be placed by e-mail and all items printed and supplied to suit the customer.

Planning and marking software

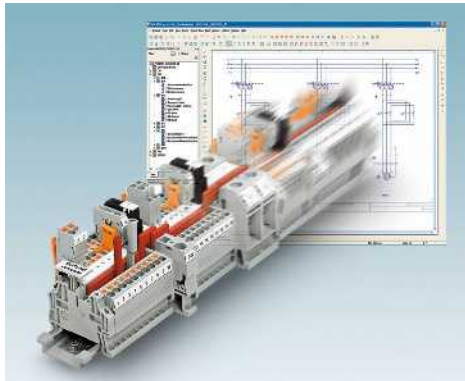
CLIP PROJECT advanced

The CLIP PROJECT advanced program enables the quick planning and configuration of terminal strips for the control cabinet and field as well as custom-marking of terminal blocks, cables and lines, and devices and systems:

- Planning of terminal strips with components of the CLIPLINE, INTERFACE, TRABTECH, and AUTOMATION product ranges
- The automatic correction function performs a logical test of the terminal strips and automatically adds the necessary accessories such as covers and end brackets
- The terminal strip configurator enables the distributed arrangement of individual terminal strips on different DIN rails
- 3D preview and complete documentation of the assembled DIN rails, such as order and mounting lists
- High-performance import of marking information and extensive design options for the custom-marking of terminal blocks, cables, and lines, as well as devices and systems
- Numerous sorting and filter functions for efficient management of your print jobs
- Support for all marking materials and output devices from Phoenix Contact
- Automatic Internet update
- Intuitive Windows® user interface

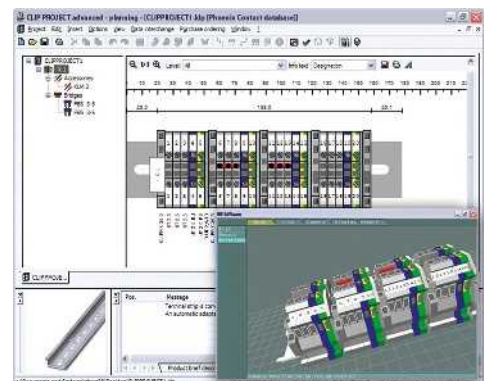
To reduce engineering costs and improve data quality, CLIP PROJECT advanced supports data exchange with electrical planning systems in both directions:

- With the circuit diagram as the basis, the required products are automatically selected and their complete data written back to the parts lists
- The marking information can be automatically exported and assigned to the desired marking materials
- In order for the marking to be assigned clearly, even in the case of extensive projects, the project structure tree from the CAE system has been adopted in CLIP PROJECT; this also allows the marking to be output to sub-projects



<b>General data</b>
Software interface
<b>System requirements</b>
Operating systems
<b>Description</b>
CLIP PROJECT advanced, planning and marking software, German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese

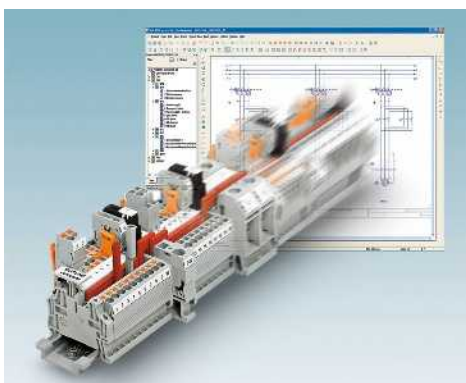
<b>Technical data</b>		
EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E <sup>3</sup> Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProjet SPAC		
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		
<b>Ordering data</b>		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
CLIP-PROJECT ADVANCED	5146040	1



**CLIP PROJECT professional**

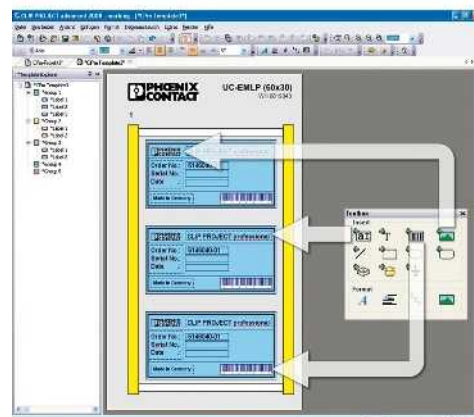
The CLIP PROJECT planning and marking software is available in both an **ADVANCED** and **PROFESSIONAL** version:

- The **PROFESSIONAL** version also includes an efficient template designer, which can be used to design custom labels and adapt existing material descriptions
- Graphics, various barcode types, and geometric elements such as squares, circles, and lines can be accessed for design work
- Data can also be imported into the templates from various data sources
- Rapid, simple, and flexible adaptation to changing requirements

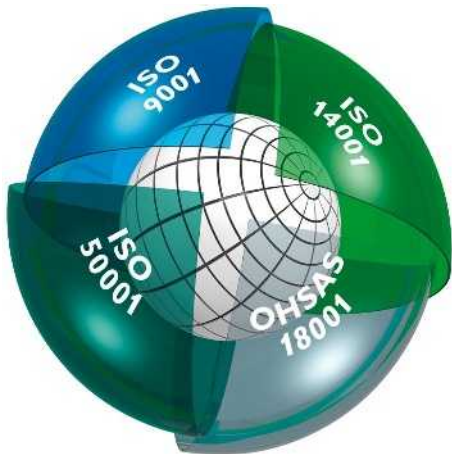


<b>General data</b>
Software interface
<b>System requirements</b>
Operating systems
<b>Description</b>
<b>CLIP PROJECT professional, planning and marking software, with template designer,</b> German/English/French/Dutch/Italian/Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/Chinese and Japanese

<b>Technical data</b>		
EPLAN 5.7 EPLAN Electric P8 AUCOTEC ELCAD AUCOTEC Engineering Base AUCOTEC RUPLAN ZUKEN E <sup>3</sup> Bentley Promis-e WSCAD IGE XAO PC-Schematic AUTOMATION SDProget SPAC		
MS Windows XP SP3, MS Windows Vista, MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit)		
<b>Ordering data</b>		
<b>Type</b>	<b>Order No.</b>	<b>Pcs. / Pkt.</b>
<b>CLIP-PROJECT PROFESSIONAL</b>	<b>5146053</b>	<b>1</b>



### Quality in quantity



#### Integrated management system

The aim of the Phoenix Contact integrated management system is to coordinate all the requirements regarding products, processes, and organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The Phoenix Contact management system is monitored by internationally recognized independent bodies each year to ensure that quality, environmental protection, energy efficiency, and occupational safety have been integrated in conformance with the relevant requirements. Certification according to international standards ISO 9001, ISO 14001, ISO 50001, and BS OHSAS 18001 is the result of our corporate philosophy of meeting the needs of our customers, staff, and environment as best as possible. They serve as the basis for innovative products with the familiar high Phoenix quality standard, actively practiced environmental protection through efficient production and products that conserve resources, and responsibility in the field of occupational health and safety. It goes without saying that we integrate all further requirements of standards, international approvals or special customer requirements into our company processes.

This system provides a building block for the success of the Phoenix Contact Group and its products and services.

#### CE marking

CE marking was introduced as an important instrument for the free movement of goods and services within the single European market. By attaching the mark to a product, the manufacturer confirms that it complies with all applicable European Union (EU) directives. EC directives describe the product properties with regard to device safety and avoiding danger. These are legally binding regulations of the European Union (EU). In other words, compliance with the requirements is a **statutory condition for marketing the product within the EU.**

Where applicable, the products that our company currently manufactures fall within the scope of the following directives:

- 2006/95/EC and 2014/35/EU  
Electrical equipment designed for use within certain voltage limits (Low-Voltage Directive)
- 2004/108/EC and 2014/30/EU  
Electromagnetic compatibility (EMC Directive)
- 2004/22/EC and 2014/32/EU  
Measuring instruments
- 2006/42/EC  
Safety of machinery (Machinery Directive)
- 94/9/EC and 2014/34/EU  
Equipment and protective systems intended for use in potentially explosive areas (ATEX Directive)
- 1999/5/EC  
R&TTE Directive and 2014/53/EU  
Radio Equipment Directive

The standards upon which the specified directives are based have been part of our standard of development for a long time. This guarantees conformance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued promptly. The current declarations for each product can also be found in our download area.

The EMC Directive occupies a special place among the European directives listed. It defines electromagnetic compatibility as a fundamental property of devices based on mandatory guidelines. European Law therefore acknowledges the electromagnetic compatibility of devices and systems as an important condition for error-free operation of machinery and systems. Phoenix Contact is one of the leading international companies in surge protection, and therefore possesses broad expertise in EMC. This expertise and the experience gained over years of developing and applying industrial interface and communication technology have resulted in our products having an extremely high standard of quality with regard to electromagnetic compatibility. It was with a view to providing other companies with this expertise that our associate company, Phoenix Testlab, was founded. Phoenix Testlab GmbH is an independent, accredited service provider offering EMC testing that conforms to European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Furthermore, Phoenix Testlab is a “Notified Body” according to EMC Directive 2004/108/EC and

according to R&TTE Directive 1999/5/EC for radio and telecommunications terminal equipment. As a “Telecom Certification Body” (TCB), Phoenix Testlab may also approve these products for markets in the USA, Canada, and Japan.

#### Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In line with this process, the current version of all standards that are relevant to our products is documented in the product area on our website at

[www.phoenixcontact.net/products](http://www.phoenixcontact.net/products).

#### Online product information service on the web

















































Phoenix Contact's product range is growing constantly.

Due to our commitment to product monitoring, all products are subject to improvement.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via [www.phoenixcontact.com](http://www.phoenixcontact.com). Here, you will always find the latest overview of products, solutions, and services from Phoenix Contact. This includes technical documents, such as data sheets and user manuals, the latest driver and demo software, plus a means of contacting the appropriate contact person directly.

Certification bodies and safety marks

Certification bodies and approvals	Country code	 Explosion protection	Country code	Ship classification societies	Country code
 IECB Scheme (in combination with certifying body)	International	 International Electrotechnical Commission	International	 Bureau Veritas	FR
 CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU	 DEKRA Certification B.V.	NL	 Germanischer Lloyd AG	DE
 Canadian Standards Association (CSA)	CA	 Physikalisch-Technische Bundesanstalt	DE	 Lloyd's Register of Shipping	GB
 Canadian Standards Association (CSA) - CSA approval for the USA -	US	 KIWA Nederland B.V.	NL	 Nippon Kaiji Kyokai	JP
 Canadian Standards Association. (CSA) Combined logo - CSA approval for Canada and the USA -	CA US	 QS Schaffhausen AG	CH	 Det Norske Veritas	NO
 Underwriters Laboratories Inc. (UL)	US	 VTT Expert Services Oy	FI	 Polski Rejestr Statków	PL
 Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA	 IBEXU Institut für Sicherheitstechnik GmbH	DE	 Russian Maritime Register of Shipping	RU
 Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA	 TÜV Rheinland do Brasil	BR	 Korean Register of Shipping	KR
 INSIEME PER LA QUALITA'E LA SICUREZZA	IT	 Technischer Überwachungsverein Nord	DE	 American Bureau of Shipping	US
 Eurasian Conformity	BY KZ RU	 DEKRA EXAM GmbH	DE		
 DEKRA Certification B.V.	NL	 Canadian Standards Association (CSA)	CA		
 Österreichischer Verband für Elektrotechnik	AT	 Canadian Standards Association (CSA) - CSA approval for the USA -	US		
 electrosuisse SEV Verband für Elektro-, Energie- und Informationstechnik	CH	 Canadian Standards Association. (CSA) Combined logo - CSA approval for Canada and the USA -	CA US		
 Verband Deutscher Elektrotechniker e.V. (VDE) - Approval of drawings - Reports with production monitoring	DE	 Underwriters Laboratories Inc. (UL)	US		
 Berufsgenossenschaft (BG) GS - Geprüfte Sicherheit	DE	 Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA		
 Intertek ETL Listed - Approval for the USA -	US	 Underwriters Laboratories Inc. (UL) Combined logo - UL approval for the USA and Canada -	US CA		
 Intertek ETL Listed - Approval for Canada -	CA	 FM Approvals	US		
 Intertek ETL Listed - Approval for the USA and Canada -	US CA	 Eurasian Conformity for Ex-products	BY KZ RU		
 TÜV Rheinland Industrie Service GmbH	DE				
 China Compulsory Certificate	CN				

# Technical information

## Terminal block standards and regulations

### Competence in connection technology

#### CLIPLINE complete

Thanks to the implementation of appropriate design measures and the use of high-grade materials, the terminal blocks from Phoenix Contact exceed the requirements imposed by standards.

The terminal blocks are subjected to tests which go beyond the basic terminal block standard, enabling them to be used in all industries, such as energy supply, transportation technology, process engineering, and in particular the chemical and petrochemical industry or shipbuilding.

The following industry-specific standard tests are performed on the terminal blocks.

**Power**

**Traffic**

**IRIS Certification**

**Lloyd's Register**

**BUREAU VERITAS**

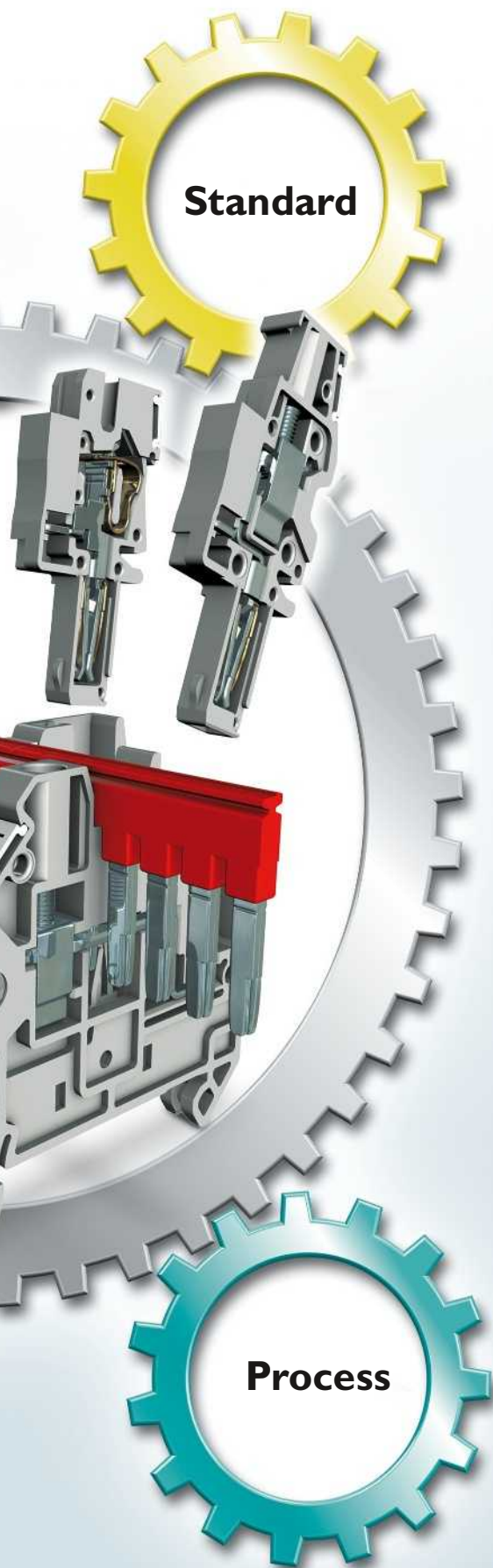
**ABS**

**DNV**

**IR**

**ClassNK**





**ATEX**



### Terminal blocks for potentially explosive areas



Phoenix Contact offers an extensive range of Ex-approved connection technology for process engineering. As a result of the high-quality contact and insulation materials, these terminal blocks are particularly suitable for rough, potentially explosive industrial applications. The terminal blocks from Phoenix Contact which have been approved for the potentially explosive area are mainly standard terminal blocks. In addition to the usual approvals and according to standard IEC/EN 60079-7, they also have an IECEx and ATEX certificate from one of the EU-authorized testing centers (DEKRA, PTB, SEE, etc.).

It is therefore not necessary with terminal blocks from Phoenix Contact to differentiate between Ex and non-Ex terminal blocks in the warehouse. The advantages are clear.

#### Protection type Ex e

The terminal blocks on the website listed below meet the requirements for protection type “Increased safety” Ex e when the installation instructions are taken into consideration. The terminal blocks are therefore approved for installation in zone 2 and in zone 1 in particular, i.e., in the actual Ex area. The latter, however, only on condition that the terminal blocks are installed in connection boxes which are also approved for protection type Ex e and have at least IP54 protection.

The available Ex e approved terminal blocks can be divided into the following groups:

- Screw connection terminal blocks
- Spring-cage connection terminal blocks
- Push-in connection terminal blocks
- Fast connection terminal blocks
- Miniature terminal blocks
- Terminal blocks for specialized applications

#### Protection type Ex i

No special approval is required for terminal blocks in applications with protection type Ex i “intrinsic safety”. In addition to Ex e-approved terminal blocks, standard terminal blocks can be used here as well. The increased requirements for clearances and creepage distances:



- Between adjacent terminal blocks
  - Between terminal blocks and grounded metal parts
- as well as distances through rigid insulation are specified in IEC/EN 60079-11.

**More detailed information on terminal blocks in the Ex “e” and “i” areas is available in the product area on our website at:**

[phoenixcontact.net/products](http://phoenixcontact.net/products)

**as a download for the approved products.**

- Here you will find the following:
- Technical data according to IEC/EN 60079
  - Approved accessories
  - Important installation instructions and mounting diagrams

#### Marking

The explosion-protected equipment must be marked in such a way as to guarantee that it is used correctly according to its safety characteristics. The marking of equipment is described in harmonized standard IEC/EN 60079. Terminal blocks with protection type “increased safety” must be appropriately marked.

#### ATEX Directive 94/9/EC

Manufacturer or trademark	
Address of the manufacturer	32823 Blomberg, Germany
Number of the notified body	0344
Common marking in the EU	
Equipment group	II
Equipment category	2
Use in atmospheres	
Gas and/or Dust	G D
<b>Standard marking according to EN/IEC 60079-0 for increased safety “e”</b>	

Manufacturer or trademark	
Type designation	UT 2,5...
Abbreviation of the explosion protection	Ex
Protection type	e
Equipment group	II
ID of the notified body	KEMA

Certificate No.	04ATEX2048U
Year of issue	04
Directive ID	ATEX
Processing No.	2048
ID for components	U

**Worldwide explosion protection**

**IEC 60079**

Explosion protection around the world is mainly based on the IEC 60079 series of international standards and European and American standards and directives.

In North America, the basis for this is the National Electric Code (NEC) in the USA and the Canadian Electrical Code (CEC) in Canada. Directive 94/9/EC (ATEX 100a) is of particular importance to manufacturers of devices and protective systems within CENELEC countries of the European Community and beyond. We accommodate international requirements with IECEx certificates. This means that use in protection type Ex e “increased safety” is permitted in zone 1 and 2. However, this is only under the condition that the terminal blocks are enclosed in type-tested housings which meet the requirements for protection type “e” increased safety.

**Requirements for terminal blocks**

The protection types “d” flameproof enclosure, “p” pressurized enclosure, and “m”, “q”, “o” (encapsulation, sand filling or oil immersion) do not present any special requirements for terminal blocks. The protection principle of increased safety “e” (IEC/EN 60079-7) is generally based on increased constructional measures. The most important ones for terminal blocks are:

- Clearances and creepage distances
- Terminal blocks must be secured against loosening, fastened and designed so that the cables cannot come loose or be impermissibly damaged by the terminal point.
- The clamping pressure must not be transmitted via insulating parts.
- Terminal blocks that are intended for the connection of stranded conductors must be fitted with an intermediate elastic element.

These requirements and the technical data are checked by an independent testing institute (notified body, e.g., DEKRA, PTB, TÜV, etc.) and certified by the appropriate certificate. The following tests must be verified by the type examination:

- Type test according to IEC 60947-7-1/-2
- Proof of clearances and creepage distances and dielectric test
- Aging test:
  - 14 days' storage at 95°C and 95% humidity
  - A further 14 days with dry heat at the level of the TI value of the insulation material
  - 24 hours' low-temperature storage at -65°C with subsequent conductor pull-out test



The Ex e-approved terminal blocks from Phoenix Contact are standard terminal blocks. These are 100% routine-tested during the manufacturing process according to IEC/EN 60079, which includes a dielectric test.

Ex e-certified products according to IEC/EN Ex are subject to compulsory marking

**Note**

Detailed information and data sheets with instructions for installing terminal blocks in the Ex area are available in the product area on our website at [phoenixcontact.net/products](http://phoenixcontact.net/products).



The certificates certify that the test was carried out by the respective notified body

Connection capacity

IEC 60947-7-1/-2

This mechanical test defines the connection of commercially available conductors according to the manufacturer's information.

Terminal blocks must be designed in such a way that conductors with the documented rated cross section and the rated connecting capacity can be connected. The specifications are documented by the manufacturer in metric (mm<sup>2</sup>) and Anglo-American values (AWG).

Rated cross section means:

Value of the maximum possible cross section of all connectable conductors (stranded and single or multi-strand) that certain thermal, mechanical, and electrical requirements refer to.

Rated connecting capacity means:

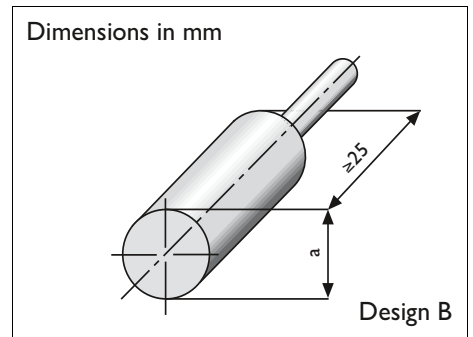
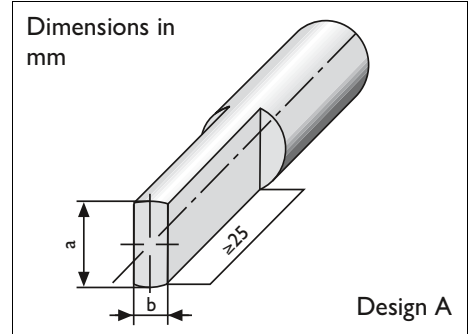
Range encompassing the largest to the smallest connectable cross section (reduced by at least 2 increments) and the number of connectable conductors for which the terminal block has been designed.

During the test, the terminal blocks are connected with the rated cross section and the rated connecting capacity.

Alternatively, the rated cross section can also be verified using gauges, see figures.

It must be possible to freely insert conductors or gauges into or connect them to the open terminal point.

Terminal blocks from Phoenix Contact offer dimensions for the defined rated cross section that are well above those required by the standard. Thanks to appropriate design measures, the rated cross sections can also be connected with a ferrule and insulating collar in all terminal blocks of the CLIPLINE complete system.



Gauges (internal cylindrical gauge) of design A and B according to IEC 60947-1

Structure and dimensions of connecting cables

Cross section [mm <sup>2</sup> ]	Single-strand		Multi-strand		Fine-strand		Gauge No.	American Wire Gauge [AWG]					
	Diameter max. dimension	Number of wires	Diameter max. dimension	Number of wires (minimum number)	Diameter max. dimension	Number of wires (guide value)		Solid wires*			Stranded wires*		
							AWG	[Ø mm]	[circ. mils]	[mm <sup>2</sup> ]	[Ø mm]	[circ. mils]	[mm <sup>2</sup> ]
0.2	0.5	1	-	-	-	-	24	0.51	404	0.21	-	-	-
0.5	0.9	1	1.1	7	1.1	16	20	0.81	1022	0.52	0.97	1111	0.56
0.75	1.0	1	1.2	7	1.3	24	18	1.02	1620	0.82	1.16	1600	0.82
1	1.2	1	1.4	7	1.5	32	(17)	1.15	2050	1.04	-	-	-
-	-	-	-	-	-	-	16	1.29	2580	1.31	1.50	2580	1.32
1.5	1.5	1	1.7	7	1.8	30	(15)	1.45	3260	1.65	-	-	-
-	-	-	-	-	-	-	14	1.63	4110	2.08	1.85	4100	2.09
2.5	1.9	1	2.2	7	2.3	50	(13)	1.83	5180	2.63	-	-	-
-	-	-	-	-	-	-	12	2.05	6530	3.31	2.41	6500	3.32
4	2.4	1	2.7	7	2.9	56	(11)	2.30	8230	4.17	-	-	-
-	-	-	-	-	-	-	10	2.59	10380	5.26	2.95	10530	5.37
6	2.9	1	3.3	7	3.9	84	(9)	2.91	13100	6.63	-	-	-
-	-	-	-	-	-	-	8	3.26	16510	8.37	3.73	16625	8.48
10	3.7	1	4.2	7	5.1	80	(7)	3.67	20800	10.56	4.15	20820	10.55
-	-	-	-	-	-	-	6	4.12	26240	13.30	4.67	26250	13.39
16	4.6	1	5.3	7	6.3	126	(5)	4.62	33100	16.77	5.24	33100	16.77
-	-	-	-	-	-	-	4	5.19	41740	21.15	5.90	41650	21.24
25	-	-	6.6	7	7.8	196	3	5.83	52600	26.67	6.61	52630	26.67
35	-	-	7.9	7	9.2	276	2	6.54	66360	33.62	7.42	66150	33.74
-	-	-	-	-	-	-	1	7.35	83690	42.41	8.33	83706	42.69
50	-	-	9.1	19	11	396	1/0	8.25	105600	53.51	9.35	104640	53.36
70	-	-	11	19	13.1	360	2/0	9.27	133100	67.44	10.52	132300	67.47
95	-	-	12.9	19	15.1	475	3/0	10.40	167800	85.03	11.79	172500	87.98
-	-	-	-	-	-	-	4/0	11.08	211600	107.22	13.26	210400	107.30
120	-	-	14.5	37	17	608	250 kcmil	-	250 MCM	127	14.62	250000	127.00
150	-	-	16.2	37	19	756	300 kcmil	-	300 MCM	152	16.00	300000	152.00
185	-	-	18	37	21	925	350 kcmil	-	350 MCM	177	17.30	350000	177.00
240	-	-	20.6	61	24	1224	500 kcmil	-	500 MCM	253	20.66	500000	253.00
300	-	-	23.1	61	27	1525	600 kcmil	-	600 MCM	304	-	-	-
400	-	-	26.1	61	31	-	-	-	-	-	-	-	-

\* 1000 circular mils = 1 MCM = 1 kcmil

## Connecting aluminum conductors

The screw terminal blocks in the UT ... and UKH ... series are suitable for the direct connection of aluminum conductors according to the directives governing conductor pretreatment. The aluminum "yields", i.e., under pressure, aluminum yields more strongly than copper due to a low modulus of elasticity. Furthermore, after stripping the aluminum conductor, an oxide layer forms on the conductor surface due to reacting with air. This oxide layer leads to increased contact resistance between the aluminum conductor and the terminal point. The oxide layer should therefore be removed before wiring. In addition, the maximum current carrying capacity of aluminum conductors is lower

than that of copper conductors. In general, if the same current carrying capacity is required of the aluminum conductor, a larger cross section than for a copper conductor must be selected. Based on the properties specified, UT ... and UKH ... screw connection terminal blocks from Phoenix Contact have been qualified through extensive tests for the use of aluminum conductors. An important quality feature of this qualification is the 1000-hour current cycling test according to IEC 61545. As part of this test, the terminal block and aluminum conductor combination is supplied with current for an hour and then switched off for an hour. The cycle is repeated 500 times. During the 1000 hours,

temperature measurements are taken at the terminal points according to a defined schedule. The measured values must not exceed defined limit values. All screw connection terminal blocks from Phoenix Contact that have undergone these tests are listed in the table below.

### Approved combinations of screw connection terminal blocks with aluminum conductors

Color versions of terminal block series are included in the approval.

Terminal block	Conductor cross section [mm <sup>2</sup> ]														Recommended tightening torque	
	2.5	4	6	10	16	25	35	50	70	95	120	150	185	250		
UT 2,5 (-PE)	RE	RE														0.6 Nm
UT 4 (-PE)	RE	RE	RE													0.8 Nm
UT 6 (-PE)	RE	RE	RE	RE												1.8 Nm
UT 10 (-PE)	RE	RE	RE	RE	RE											1.8 Nm
UT 16 (-PE)	RE	RE	RE	RE	RE	RE										3.0 Nm
UT 35 (-PE)	RE	RE	RE	RE	RE	RE	RE									3.7 Nm
UKH 25			RE	RE	RE	RE										4.5 Nm
UKH 50							RE	SE								8 Nm
UKH 70								SE	SE							10 Nm
UKH 95									SE	SE						20 Nm
UKH 150											SE	SE				30 Nm
UKH 240													SE	SE		30 Nm

RE Round, single-strand, class 1; approved

SE Sector-shaped, single-strand, class 1  $\alpha = 90^\circ$ ; approved



Single-strand aluminum conductors in round (RE) form up to 35 mm<sup>2</sup> with the relevant approved cross section can be connected directly to the above-listed feed-through terminal blocks with screw connection. When connecting aluminum conductors that are 50 mm<sup>2</sup> and above, only sector-shaped, single-strand conductors (SE) may be used and they must be inserted as illustrated.

When directly connecting aluminum conductors to UT ... and UKH ... feed-through terminal blocks from Phoenix Contact, the following guidelines on conductor pretreatment must be followed:

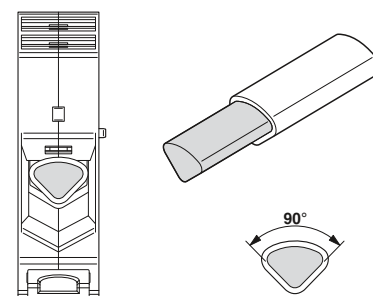
- The oxide layer must be removed from the stripped end of the aluminum conductor using a blade (suitable knife, e.g.,

WIREFOX-D 13 stripping tool).

- It must immediately then be dipped in non-acid and non-alkali, i.e., neutral, Vaseline.
- The installation location must be kept free from humidity or aggressive atmospheres.
- When using an aluminum conductor, the screw in the clamping part of the screw terminal block must be tightened with the recommended tightening torque of the respective terminal block; there is no need to tighten the terminal point. (For torque screwdrivers, see Catalog 5)
- The pretreatment must be repeated when connecting the conductors anew.

Sector-shaped aluminum conductors should be inserted in the terminal point of UKH ... terminal blocks as illustrated. The rounded section of the conductor should be at the top so that the right-angled area of the aluminum conductor is positioned on the prism-shaped base of the terminal sleeve.

Accessories, e.g., bi-metal cable lugs (Al/Cu pressure cable lugs) can be used to



Example for UKH ... - connecting sector-shaped, single-strand aluminum conductors

connect stranded aluminum conductors. See [phoenixcontact.net/products](http://phoenixcontact.net/products)

### Mechanical strength

#### IEC 60947-7-1/-2

The mechanical stability of the terminal point is checked in a practical test. For this purpose, the terminal points of the terminal blocks must be repeatedly connected without loss of quality. Solid conductors with the rated cross section are therefore used to connect and disconnect the terminal block five times over with the torque specified in the manufacturer's information. This is done on the middle terminal block of a block of five. Before and after the test, a voltage-drop test must be passed. The terminal point must withstand reconnection without recognizable damage, and the voltage drop must not exceed

3.2 mV or 1.5 times the initially measured value before or after the test. Terminal blocks from Phoenix Contact are suitable for repeated connection without any recognizable loss of quality. The extent of possible connections and disconnections can reach up to 5000 cycles, depending on the connection technology.

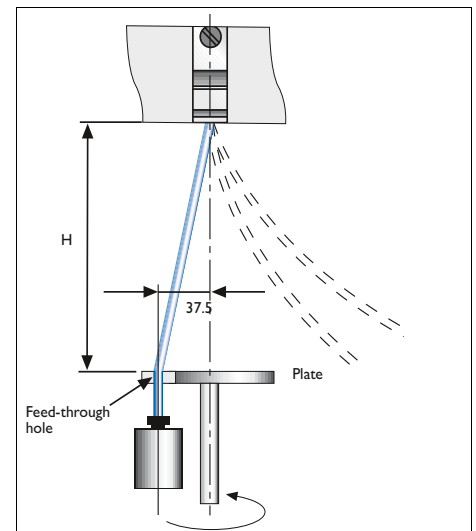
### Bending test - flexion test

#### IEC 60947-7-1/-2

Correctly wired terminal blocks must offer a high degree of mechanical safety. This includes the reliable clamping of the conductor. Therefore, tests are performed with solid and stranded wires with the minimum cross section, with the rated cross section, and with the maximum cross section. A vertically fixed terminal block is connected to a conductor. At the end of the conductor, a test weight corresponding to the cross section is attached. The conductor is fed through a central 37.5 mm aperture in a rotating disc and turned about its own axis 135 times. This procedure must not damage the clamping area on the conductor. Afterwards, the contact must pass a conductor pull-out test. Terminal blocks from Phoenix Contact are designed to ensure that the conductor makes contact in the clamping area gently. This prevents damage to the conductor and contact point,

Cross section [mm <sup>2</sup> ]	AWG	Spacing H [mm]	Load [kg]
0.2	24	260	0.3
to	to	to	to
4	12	280	0.9
to	to	to	to
240	500 kcmil	464	20.0

which still have the same properties even after repeated clamping.



Test equipment according to the standard

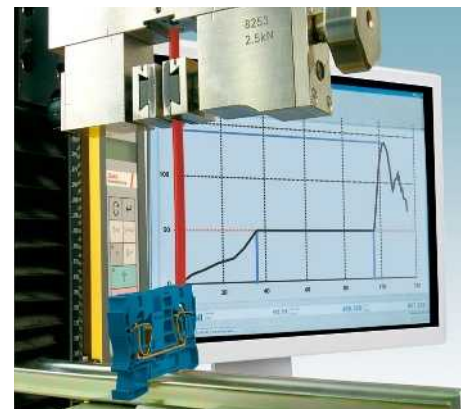
## Conductor pull-out test

### IEC 60947-7-1/-2

In practice, tensile forces can affect the terminal point during wiring or operation. Therefore, terminal blocks must be wired correctly to offer a high degree of mechanical safety. To test the tensile load capacity of a terminal point, the terminal point must withstand a given tensile force based on the cross section for over 60 seconds. This test is performed after the bending test. Performing these two tests directly one after the other intensifies the requirements. The tensile force exerts stress on the conductor at the terminal point. The conductor must be held without causing damage. The test results for terminal blocks from Phoenix Contact are up to 150% above the required minimum values.

**Conductor pull-out forces according to IEC 60999/EN 60999/VDE 0609-1, Table III (up to 35 mm<sup>2</sup>)**

Conductor cross section		Tensile force
[mm <sup>2</sup> ]	AWG/kcmil	[N]
0.2	24	10
–	22	20
0.5	20	15
0.75	18	30
1.0	–	35
1.5	16	40
2.5	14	50
4.0	12	60
6.0	10	80
10	8	90
16	6	100
25	4	135
–	3	156
35	2	190
–	1	236
50	0	236
70	00	285
95	000	351
–	0000	427
120	250	427
150	300	427
185	350	503
–	400	503
240	500	578
300	600	578



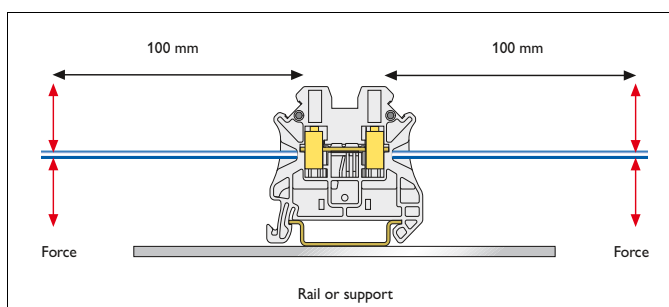
Absorption of tensile force on a 10 mm<sup>2</sup> spring-cage terminal block

## Tight fit of terminal block

### IEC 60947-7-1/-2

Besides the reliable contacting of the conductor, the terminal block itself must be able to withstand forces without coming loose from its support. Furthermore, no unacceptable damage may occur. To test whether the fit is tight, a terminal block is mounted on a standard DIN rail according to the manufacturer's information. Then steel rods with a length of 150 mm are clamped into the terminal points. Tensile and pressure forces based on the cross section are exerted on the terminal points and the latching of the terminal block with a lever distance of 100 mm. The terminal block must not come loose or break off the rail. The structural design of the terminal blocks from Phoenix Contact ensures a reliable tight fit on different DIN rail systems.

Cross section	Cross section	Force	Diameter of the steel rod
[mm <sup>2</sup> ]	AWG	[N]	[mm]
0.75	18	1	1.0
1		1	1.0
1.5	16	1	1.0
2.5	14	1	1.0
4	12	1	1.0
6	10	5	2.8
10	8	5	2.8
35	2	10	5.7
50	0	10	5.7
240	500 kcmil	20	20.5



### DIN rails

#### DIN rails/protective conductor busbars

Extract from IEC 60947-7-2/EN 60947-7-2/DIN EN 60947-7-2/VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short-circuit current rating ≅ E CU conductor [mm <sup>2</sup> ]*	Short-time withstand current 1 s [kA]	Max. permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	**
NS 15 PERF 2000MM	DIN rail, acc. to EN 60715 – 15 x 5.5	Steel	10	1.2	**
NS 15-AL PERF 2000MM	DIN rail, dimensions acc. to EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	**
NS 32 PERF 2000MM	G-profile rail, acc. to EN 60715 – G 32	Steel	35	4.2	**
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions acc. to EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 PERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	**
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail, acc. to EN 60715 – 35 x 15	Steel	50	6.0	**
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	**
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

\* Cross sections calculated according to IEC 60439-1/EN 60439-1/DIN EN 60439-1/VDE 0660-500.

\*\* Protective conductor busbars made of steel may not be used for the PEN function.

### Clearances and creepage distances

#### IEC 60947-7-1/UL 1059

Carrying out a dimensional check of clearances and creepage distances confirms that electrical insulation properties are adequate with respect to the following:

– **Application**

– **Expected pollution**

– **Ambient conditions**

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two neighboring terminal blocks and the support, taking into account the shortest distances.

**For the clearance, this means:**

It is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the surge voltage category of the terminal block.

**For the creepage distances, this means:**

It is the shortest distance along the insulating body between two conductive parts. The deciding factors for determining

the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the terminal block.

The minimum values can be taken from the tables of the relevant standards.

#### IEC 60947-7-1

Phoenix Contact terminal blocks are designed with surge voltage category III and pollution degree 3 with the required distances.

#### UL 1059

Phoenix Contact terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

Detailed information can be found in the data sheets or the catalog documentation.

UL Use Group	Definition	Max. voltage [V]
A	Operating elements, consoles, and similar	150 300 600
B	Conventional devices, including office and electronic data processing equipment and similar	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, equipment with limited rating	300 600



## Insulation coordination for electrical equipment within low-voltage systems

Dimensioning of clearances and creepage distances according to DIN EN 60664-1/VDE 0110-1.

This part of the standard, based on IEC 60664, contains specifications for the insulation coordination of equipment in low-voltage systems. This part is applicable for equipment to be used at an altitude of up to 2000 m above sea level. This basic safety standard is primarily aimed at technical committees, and if suitable product directives are not available for equipment, it can be applied at the user's own responsibility. International and European product standards cited in this catalog contain specifications for insulation coordination according to DIN EN 60664/VDE 0110-1.

### Insulation coordination

Insulation coordination includes the selection of electrical insulation properties for equipment as regards intended applications and ambient conditions. Separate requirements must be applied for clearances and creepage distances and for rigid insulation. The surge voltages to be expected, characteristics of surge protective devices, and pollution at the intended site must be considered when dimensioning clearances. Clearances are then dimensioned according to the external or internal surge voltages to be expected. Different surge voltages, grouped into categories, i.e., a value that specifies a rated impulse voltage, determine the required clearance directly. These surge voltage categories (I to IV) are mainly based on a statistical study, and are used for equipment that is directly supplied by low-voltage networks. Definitions of the individual categories are provided below as an extract of DIN EN 60664/VDE 0110-1.

The clearances can be calculated according to Table 2 (minimum clearances) depending on the homogeneity level of the field between the electrodes (case A – non-homogeneous field, case B – homogeneous field).

Clearances according to case A are capable of withstanding the assigned impulse voltages under all conditions. Equipment that is dimensioned according to case A can therefore be used without any further testing. Clearance values according to case B are based on ideal conditions. Clearance values which fall between case A and case B must be proven by means of an impulse voltage test.

The voltages present, the properties of

insulation materials, the pollution to be expected, and safety measures against pollution are considered when dimensioning creepage distances.

The effect of pollution is considered when determining the clearances and creepage distances according to three intensity levels (pollution degree 1 to 3).

The creepage distance is based on the rated voltage that is derived from the working voltage or nominal mains voltage. The minimum creepage distances are assigned to the rated voltages according to the pollution degree in Table 4.

If the respective product descriptions do not contain any additional specifications, the products presented in this catalog are dimensioned for surge voltage category III and pollution degree 3 according to this regulation (DIN EN 60664-1/VDE 0110-1).

### Surge voltage categories I to IV

– Equipment in **surge voltage category IV** can be used at the terminal point of the installation.

**Note:** examples of such equipment include electricity meters and primary devices for overcurrent protection.

– Equipment in **surge voltage category III** can be used in fixed installations and is intended for such cases where there are special requirements for the reliability and availability of the equipment.

**Note:** examples of such equipment include switches in fixed installations and equipment for industrial use with permanent connection to the fixed installation.

– Equipment in **surge voltage category II** is power-consuming equipment that is supplied by the fixed installation.

**Note:** examples of such equipment include household appliances, portable tools, other domestic appliances, and similar devices.

– Equipment in **surge voltage category I** can be connected to circuits where measures have been taken to limit the surge voltages to a suitable lower value.

### Pollution degrees 1 to 4

The following four pollution degrees have been defined for the micro-environment in order to determine clearances and creepage distances:

#### – Pollution degree 1

No pollution or only dry, non-conductive pollution occurs. The pollution has no effect.

#### – Pollution degree 2

Only non-conductive pollution occurs. However, temporary conductivity due to condensation must occasionally be taken into consideration.

#### – Pollution degree 3

Conductive pollution occurs or dry, non-conductive pollution which becomes conductive, since condensation is to be expected.

#### – Pollution degree 4

Permanent conductivity occurs, caused by conductive dust, rain or moisture.

### Insulation material

DIN EN 60664/VDE 0110-1 classifies insulation materials into four groups depending on their CTI values that were obtained using solution A as per IEC 60112. These are:

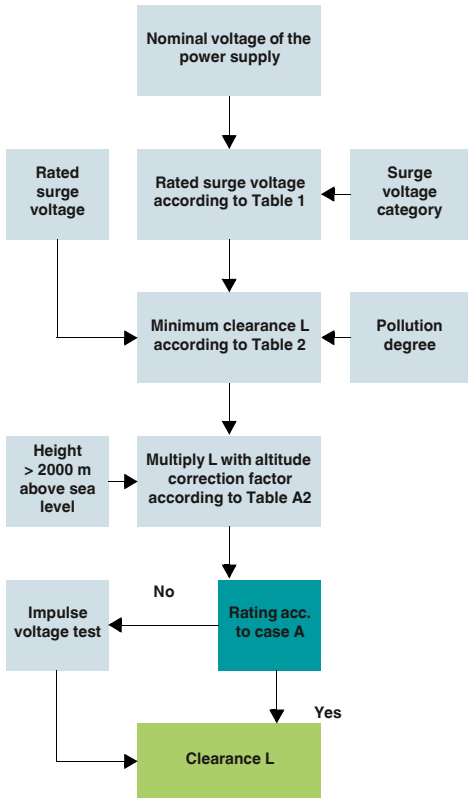
Insulation material group I:  $600 \leq \text{CTI}$   
 Insulation material group II:  $400 \leq \text{CTI} < 600$   
 Insulation material group IIIa:  $175 \leq \text{CTI} < 400$   
 Insulation material group IIIb:  $100 \leq \text{CTI} < 175$

The comparative tracking index of the creepage distance formation must have been determined based on suitable samples using test solution A as specified in DIN IEC 60112.

The proof tracking index of the creepage distance formation (PTI) is used as proof of the creepage current properties of insulation materials.

## Dimensioning of clearances

### Schematic for determining clearances



### Rated surge voltages for equipment that is directly supplied by the low-voltage network (extract from Table 1)

Nominal voltage of the power supply system 1) (mains acc. to IEC 60038 3)		Conductor-neutral conductor voltage derived from the total nominal AC voltage or nominal DC voltage	Rated surge voltage 2) [V]			
Three-phase [V]	Single-phase [V]		Surge voltage category 4)			
		[V]	I	II	III	IV
		50	330	500	800	1500
		100	500	800	1500	2500
		150	800	1500	2500	4000
230/400	277/480	300	1500	2500	4000	6000
		600	2500	4000	6000	8000
		1000	4000	6000	8000	12000

1) Refer to Appendix B for application in existing deviating low-voltage networks and their nominal voltages.

2) Equipment with this rated surge voltage may be used in systems according to IEC 60364-4-443.

3) The slash, i.e., /, indicates a three-phase four-conductor system. The lower value is the conductor-to-neutral conductor voltage, whereas the higher value is the conductor-to-conductor voltage. When only one value is specified, it refers to a three-phase three-conductor system, and indicates the conductor-to-conductor voltage.

4) Refer to 2.2.2.1.1 for an explanation of surge voltage categories.

### Minimum clearances for surge voltages (extract from Table 2)

Required rated impulse voltage 1) 5) [kV]	Condition A Non-homogeneous field (refer to 3.15)			Condition B Homogeneous field (refer to 3.14)		
	Pollution degree 6)					
	1 [mm]	2 [mm]	3 [mm]	1 [mm]	2 [mm]	3 [mm]
0.33 2)	0.01	0.2 3) 4)	0.8 4)	0.01	0.2 3) 4)	0.8 4)
0.40	0.02			0.02		
0.5 2)	0.04			0.04		
0.60	0.06			0.06		
0.80 2)	0.10			0.10		
1.0	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5 2)	0.5	0.5		0.3	0.3	
2.0	1.0	1.0	1.0	0.45	0.45	
2.5 2)	1.5	1.5	1.5	0.6	0.6	
3.0	2.0	2.0	2.0	0.8	0.8	
4.0 2)	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0 2)	5.5	5.5	5.5	2	2	2
8.0 2)	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12 2)	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

1) This voltage is:

- For function insulation: the highest surge voltage expected for the clearance
- For basic insulation, if influenced directly or considerably by surge voltages from the low-voltage network: the rated surge voltage of the equipment
- For a different basic insulation: the highest impulse voltage possible in the circuit

2) Preferred values

3) For PCBs, the values of pollution degree 1 are applicable, except that no deviation below the value of 0.04 mm is permitted, as specified in Table 4.

4) Minimum clearances for pollution degrees 2 and 3 are based on the corresponding creepage distances. This resistance is reduced due to the effects of humidity.

5) Values can be interpolated for parts or circuits within equipment that are subjected to impulse voltages.

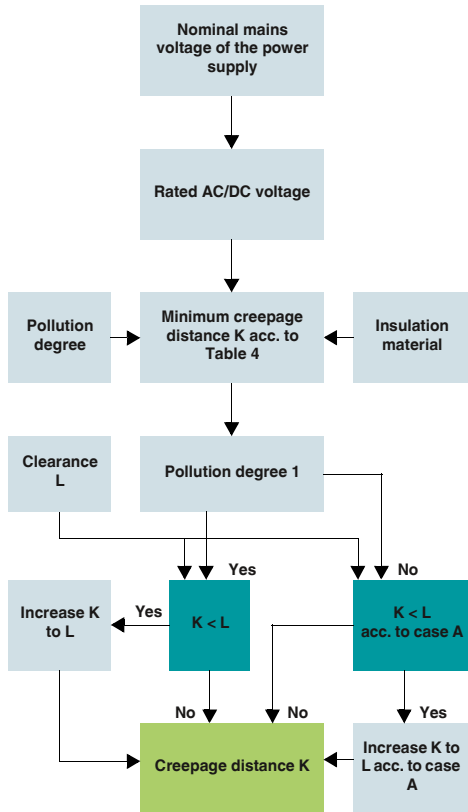
6) The distances for pollution degree 4 are equal to those for pollution degree 3, except that the minimum clearance is 1.6 mm.

### Altitude correction factors (extract from Table A.2)

Height in m	Normal air pressure in kPa	Multiplication factor for gaps
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.50

## Dimensioning of creepage distances

### Schematic for determining creepage distances



Nominal voltage of the power supply system (mains) <sup>*)</sup>	Voltages for Table 4	
	For conductor-conductor insulation <sup>1)</sup>	For conductor-ground insulation <sup>1)</sup>
	All systems	Three-conductor systems center point grounded
[V]	[V]	[V]
12.5	12.5	-
24	25	-
30	32	-
42	-	-
48	50	-
50 <sup>**)</sup>	-	-
60	63	-
30-60	63	32
100 <sup>**)</sup>	100	-
110	-	-
120	125	-
150 <sup>**)</sup>	160	-
220	250	-
110-220	-	125
220-240	250	-
300 <sup>**)</sup>	320	-
220-440	500	250
600 <sup>**)</sup>	630	-
480-960	1000	500
1000 <sup>**)</sup>	1000	-

<sup>1)</sup> Conductor-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of one conductor can thereby practically ground it and increase the other two to conductor-conductor voltage to ground.

<sup>\*)</sup> Refer to 2.2.1 for correlation with the rated voltage.  
<sup>\*\*)</sup> These values correspond to the values in Table 1.

Nominal voltage of the power supply system (mains) <sup>*)</sup>	Voltages for Table 4		
	For conductor-conductor insulation	Insulation for conductor-ground	
	All systems	Three-phase four-conductor systems with grounded neutral conductor <sup>2)</sup>	Three-phase three-conductor systems non-grounded <sup>1)</sup> or conductor grounded
[V]	[V]	[V]	[V]
60	63	32	63
110/120/127	125	80	125
150 <sup>**)</sup>	160	-	160
208	200	125	200
220/230/240	250	160	250
300 <sup>**)</sup>	320	-	320
380/400/415	400	250	400
440	500	250	400
480/500	500	320	500
575	630	400	630
600 <sup>**)</sup>	630	-	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000 <sup>**)</sup>	1000	-	1000

<sup>1)</sup> Conductor-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-conductor voltage. This is due to the fact that the actual voltage to ground is determined by the insulation resistance and the capacitive reactance of each conductor to ground. A low (but permissible) insulation resistance of one conductor can thereby practically ground it and increase the other two to conductor-conductor voltage to ground.

<sup>2)</sup> For equipment designed for use in three-phase four-conductor and three-phase three-conductor systems, grounded as well as non-grounded, only the values for three-conductor systems may be used.

<sup>\*)</sup> Refer to 2.2.1 for correlation with the rated voltage.  
<sup>\*\*)</sup> These values correspond to the values in Table 1.

### Creepage distances to prevent failures occurring due to creepage (extract from Table 4)

Voltage <sup>1)</sup> r.m.s. value	Minimum creepage distances											
	Printed circuits			Pollution degree								
	Pollution degree			1			2			3		
	All insulation material groups	All insulation material groups except IIb	All insulation material groups	Insulation material group			Insulation material group					
[V]	[mm]	[mm]	[mm]	I [mm]	II [mm]	III [mm]	I [mm]	II [mm]	III <sup>2)</sup> [mm]			
10	0.025	0.04	0.08	0.40	0.40	0.40	1.00	1.00	1.00			
12.5	0.025	0.04	0.09	0.42	0.42	0.42	1.05	1.05	1.05			
16	0.025	0.04	0.10	0.45	0.45	0.45	1.10	1.10	1.10			
20	0.025	0.04	0.11	0.48	0.48	0.48	1.20	1.20	1.20			
25	0.025	0.04	0.125	0.50	0.50	0.50	1.25	1.25	1.25			
32	0.025	0.04	0.14	0.53	0.53	0.53	1.30	1.30	1.30			
40	0.025	0.04	0.16	0.56	0.80	1.10	1.4	1.6	1.8			
50	0.025	0.04	0.18	0.60	0.85	1.20	1.5	1.7	1.9			
63	0.040	0.63	0.20	0.63	0.90	1.25	1.6	1.8	2.0			
80	0.063	0.10	0.22	0.67	0.95	1.3	1.7	1.9	2.1			
100	0.10	0.16	0.25	0.71	1.00	1.4	1.8	2.0	2.2			
125	0.16	0.25	0.28	0.75	1.05	1.5	1.9	2.1	2.4			
160	0.25	0.40	0.32	0.80	1.1	1.6	2.0	2.2	2.5			
200	0.40	0.63	0.42	1.00	1.4	2.0	2.5	2.8	3.2			
250	0.56	1.00	0.56	1.25	1.8	2.5	3.2	3.6	4.0			
320	0.75	1.60	0.75	1.60	2.2	3.2	4.0	4.5	5.0			
400	1.00	2.00	1.00	2.00	2.8	4.0	5.0	5.6	6.3			
500	1.30	2.50	1.30	2.50	3.6	5.0	6.3	7.1	8.0			
630	1.80	3.20	1.8	3.2	4.5	6.3	8.0	9	10.0			
800	2.40	4.00	2.4	4.0	5.6	8.0	10.0	11	12.5			
1000	3.20	5.00	3.2	5.0	7.1	10	12.5	14	16.0			
1250			4.2	6.3	9	12.5	16	18	20			
1600			5.6	8	11	16	20	22	25			
2000			7.5	10	14	20	25	28	32			
2500			10	12.5	18	25	32	36	40			
3200			12.5	16	22	32	40	45	50			
4000			16	20	28	40	50	56	63			
5000			20	25	36	50	63	71	80			
6300			25	32	45	63	80	90	100			
8000			32	40	56	80	100	110	125			
10000			40	50	71	100	125	140	160			

<sup>1)</sup> This voltage is:  
a) For function insulation: the working voltage  
b) For basic and additional insulation of a circuit supplied directly by the low-voltage network: either the voltage selected from Table 3a or 3b on the basis of the rated voltage of the equipment or the rated insulation voltage;  
c) For basic and additional insulation of systems, equipment, and internal circuits which are not supplied directly from the mains: the highest r.m.s. value of the voltage that, within the bounds of the rated data, can occur in the system, the equipment or the internal circuit, when supplied with rated voltage and in the case of the most unfavorable combination of operating conditions.

<sup>2)</sup> With pollution degree 3, insulation material group IIb is not recommended for use if voltages are greater than 630 V.

### Dielectric test

#### IEC 60947-7-1/-2/UL 1059

This test is an electrical test to prove that there are sufficient creepage distances.

To test that the distances between the potentials of two neighboring terminal blocks and between a terminal block and the DIN rail are sufficient, an appropriate test voltage is applied.

#### Rated insulation voltage ( $U_i$ )

The r.m.s. or DC voltage value that is permanently acceptable as a maximum when correctly used.

The test voltage must be maintained for over 60 seconds. The assignment illustrated in the table is to be used as the basis for this.

Rated insulation voltage $U_i$	Test voltage (effective)
[V]	[V]
$U_i \leq 60$	1000
$60 < U_i \leq 300$	1500
$300 < U_i \leq 690$	1890
$690 < U_i \leq 800$	2000
$800 < U_i \leq 1000$	2200
$1000 < U_i \leq 1500$	

#### IEC 60947-7-1/-2

No sparkover or disruptive discharge may occur during testing. Creepage currents must stay below 100 mA.

#### UL 1059

Test voltage =  $1000 \text{ V} + 2 \times \text{rated insulation voltage } U_i$

Terminal blocks from Phoenix Contact with a rated insulation voltage of 800 V consistently pass the dielectric test with 2000 V~.

### Surge voltage test

#### IEC 60947-7-1/-2

Proof of sufficiently large clearances between two neighboring potentials is provided by means of the surge voltage test.

The test is carried out with the surge voltage five times at intervals of at least 1 s for all polarities in relation to the rated insulation voltage.

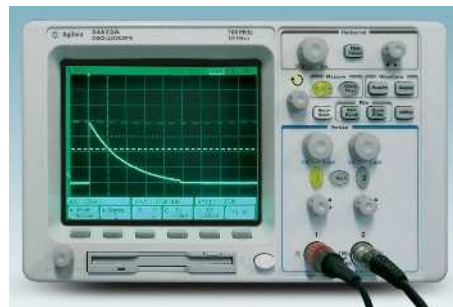
The distance between neighboring terminal blocks or between the terminal block and the rail is examined.

There must be no unintentional sparkovers during the test.

Rated surge voltages for Phoenix Contact terminal blocks are between 6 and 8 kV.

Operationally reliable use of the documented operating voltages of the

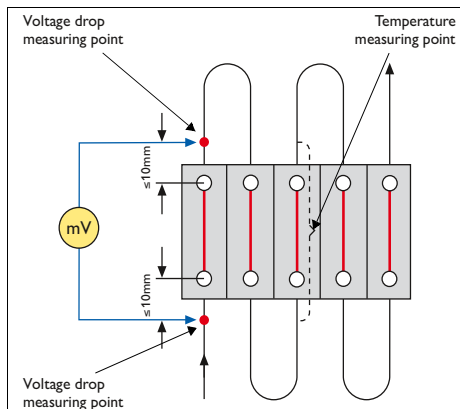
terminal blocks is thereby effectively confirmed.



The oscilloscope shows the time curve for the surge voltage pulse

## Voltage-drop test

### IEC 60947-7-1/-2



Voltage pick-off on a screw terminal block

In every terminal point of a terminal block, one or more conductors are connected - depending on the connection technology. Current transfer is strongly affected by the electrical resistance between the conductor and the current bar. High-quality contacts create a gas-tight connection. This is the only way to ensure a permanently reliable connection. This electrical test therefore determines the voltage drop on a terminal block (two terminal points). Conclusions regarding the contact resistance and the contact quality can therefore be made.

The terminal blocks are wired with the rated cross section. For measuring purposes, the terminal blocks are charged with a direct test current corresponding to 0.1 times the current carrying capacity of the rated cross section. The voltage drop is picked off at a distance  $\leq 10\text{ mm}$  from the middle of the terminal point (see diagram).

At a room temperature of  $\sim 20^\circ\text{C}$ , the voltage drop must not exceed 3.2 mV per terminal block before or after the test, nor must it exceed 1.5 times the value measured at the start of the test.

Terminal blocks from Phoenix Contact are up to 60% below the limit values required by standards.

Rated cross section in [mm <sup>2</sup> ]	Current carrying capacity [A]	Rated cross section AWG	Current carrying capacity [A]
0.2	4	24	4
0.5	6	20	8
0.75	9	18	10
1	13.5	-	-
1.5	17.5	16	16
2.5	24	14	22
4	32	12	29
6	41	10	38
10	57	8	50
16	76	6	67
35	125	2	121
50	150	0	162
95	232	0000	217
150	309	00000	309
240	415	500 MCM	415

## Temperature-rise test

### IEC 60947-7-1/-2/UL 1059

The rise in temperature of a terminal block must be kept to an absolute minimum.

The contact resistance must therefore be as low as possible. This test is used to document the rise in temperature that occurs at room temperature during exposure to a test current.

#### IEC 60947-7-1/-2

Five terminal blocks are horizontally mounted on a rail and connected in series using conductor loops with the rated cross section, each measuring 1 or 2 m in length. The terminal blocks are exposed to a test current that is as high as the current

carrying capacity of the rated cross section. The rise in temperature on the middle terminal block is documented (see figure: voltage-drop test, page 612).

Assuming a room temperature of ~20°C, a maximum rise in temperature of 45 K is permitted in the terminal block. Additionally, a voltage-drop test must be performed on the terminal block as a final step.

#### UL 1059

The process basically corresponds to the IEC test, only the conductor lengths differ. Three terminal blocks are horizontally

mounted adjacent to one another. The measurement is taken at an ambient temperature of 25°C, whereby a maximum rise in temperature of 30 K (measured as close as possible to the terminal point) is permitted. Due to the high-quality contact materials used in terminal blocks from Phoenix Contact, all connection technologies offer lower heating values than required by the specified standards.

## Current carrying capacity

Standard IEC 60947-7-1/EN 60947-7-1/DIN VDE 0611-1 specifies the test currents for the individual conductor cross sections listed in the adjacent table. The corresponding currents are listed with the connection data for the individual terminal blocks. The type tests of terminal blocks are based on this data.

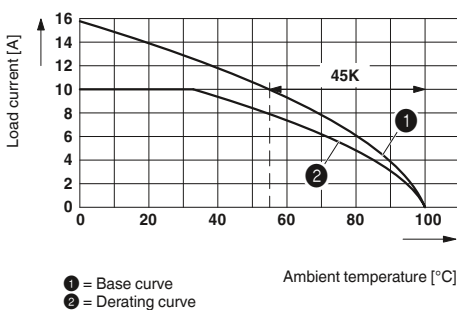
Test currents according to IEC 60947-7-1/EN 60947-7-1, Table 5

Rated cross section	[mm <sup>2</sup> ]	0.2	0.5	0.75	1.0	1.5	2.5	4	6	10	16
Test current	[A]	4	6	9	13.5	17.5	24	32	41	57	76

Rated cross section	[mm <sup>2</sup> ]	25	35	50	70	95	120	150	185	240	300
Test current	[A]	101	125	150	192	232	269	309	353	415	520

## Base and derating curve, test setup, ambient temperature



To determine the current carrying capacity of plug-in terminal blocks, arrangements with a variety of positions are selected, which are electrically connected in series using conductors with the same cross section. For the practical determination of the derating curves, the current carrying capacity of the plug-in terminal blocks is determined according to DIN EN 60512-5-1. Here, after applying various currents (e.g.,

10 A, 17.5 A, 24 A, and 32 A) and setting the temperature balance, the maximum temperature increase that occurs on the test objects is measured.

When the upper limiting temperature of the insulation material – here, always assumed to be 100°C – is taken into account, these values yield a current-carrying capacity curve dependent on the ambient temperature: the “base curve”.

An adjusted capacity curve – the “derating curve” – is generated according to DIN EN 60512-5-2. According to this standard, the permissible load current is 0.8 times the respective base current. The derating factor “...takes into account manufacturing tolerances in the contact system of connectors as well as uncertainties in the temperature measurement and the measuring arrangement”. For the majority of items in

this catalog, derating curves are given for 2, 5, 10, and 15-pos. arrangements.

## SCCR – short-circuit current rating

### SCCR – short-circuit current rating

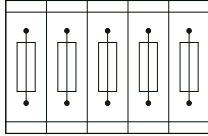
As of April 2006, the NEC (National Electrical Code) has required the short-circuit current rating of industrial controllers to be specified. This SCCR (short-circuit current rating) can be calculated with the help of UL 508A and must be specified for all main circuits and for the supply of the control voltage on the rating plate of all industrial switchgear in the USA. Standard values for non-specified components are listed in UL 508A – Table SB 4.1. A value of 10 kA is assumed for terminal blocks. Phoenix Contact offers a wide range of products with considerably higher SCCR values than this. The terminal blocks in the CLIPLINE complete system are all documented as having SCCR values of 100 kA.

The SCCR values for terminal blocks from Phoenix Contact are listed in detail in UL file number E60425. The UL file is stored in and can be retrieved from the UL database via the following link:

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html>

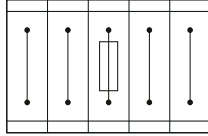
### Technical notes - fuse terminal blocks

Fuse terminal blocks in compound arrangement



Block consisting of five fuse terminal blocks

Arrangement with individual fuse terminal block



Block consisting of one fuse terminal block and four feed-through terminal blocks

**Attention:**

The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse-links. The thermal conditions in closed fuse holders should be checked according to the application and installation.

**Higher ambient temperatures** are an additional strain on fuse-links. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.

Max. power dissipation at 23 °C (according to DIN EN 60947-7-3: 2009-4)

When selecting cartridge fuse-links, please ensure that the maximum power dissipation specified below is not exceeded. Details can be obtained from the fuse manufacturers.

5 x 20 mm cartridge fuse-links, according to DIN EN 60947-7-3:2009-4

Technical data on the power dissipation of further fuse terminal block types can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)

<sup>1)</sup> The rated operating voltage is determined by the selected cartridge fuse-link.

Terminal block or connector	U <sup>1)</sup> [V]	Overload protection		Short-circuit protection only		I <sub>max.</sub> [A]
		Individual	Compound	Individual	Compound	
P-FU 5 x 20-5	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
P-FU 5 x 20	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PT 4-HESI (5 x 20)	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UT 4-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ST 4-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ZFK 6-DREHSI (5 x 20)	800	4.0 W	2.5 W	4.0 W	4.0 W	6.3
QTC 2,5-HESI (5 x 20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 10-DREHSI	800	4.0 W	2.5 W	4.0 W	4.0 W	10
USIG with ST-SI	500	2.5 W	2.5 W	4.0 W	4.0 W	6.3
UK-SI	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 5-HESI	800	2.5 W	2.5 W	4.0 W	2.5 W	6.3
UKK 5-HESI (5 x 20)	400	2.5 W	1.6 W	4.0 W	2.5 W	6.3
UK 4-TG with ST-SI-UK 4	250	1.6 W	1.6 W	4.0 W	1.6 W	6.3

6.3 x 32 mm cartridge fuse-links according to DIN EN 60947-7-3:2009-4

Technical data on the power dissipation of further fuse terminal block types can be found at [phoenixcontact.net/products](http://phoenixcontact.net/products)

UT 6-HESI (6,3 x 32)	630	2.5 W	2.5 W	4.0 W	2.5 W	10
ST 4-HESI (6,3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
ZFK 6-DREHSI (6,3 x 32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 10-DREHSI	400	2.5 W	2.5 W	4.0 W	2.5 W	10
USIG with ST1-SI	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 6,3-HESI	500	2.5 W	1.6 W	4.0 W	2.5 W	10
UKK 5-HESI (6,3 x 32)	400	2.5 W	1.6 W	4.0 W	2.5 W	10

### Short-time withstand current

#### IEC 60947-7-1/-2

Terminal blocks must, in practice, also be capable of resisting short-circuit currents until the relevant safety equipment cuts off the current without sustaining any damage. This can take up to several tenths of a second.

For testing purposes, a terminal block is mounted on the support and wired to a conductor with the rated cross section.

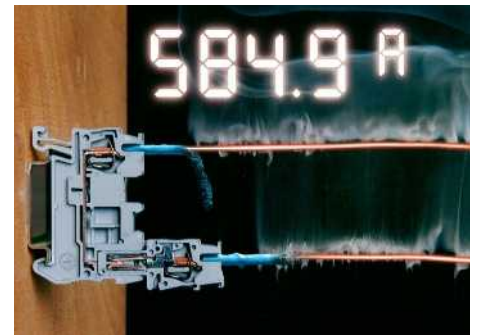
Ground terminals are subjected in three stages of one second each to a current density of 120 A/mm<sup>2</sup> with the rated cross section.

The requirements are met if, after the test, the individual parts are undamaged and they can still be used.

Before and after the test, the terminal block must pass the voltage-drop test. The voltage drop before and after the test must

not exceed 3.2 mV per terminal block nor must it exceed 1.5 times the value measured before the test.

In the case of a 240 mm<sup>2</sup> high-current terminal block from Phoenix Contact, a test current of 28800 A is passed through the terminal block for one second without loss of quality.



Maximum contact reliability, even under extreme overload – illustrated with a plug-in spring-cage terminal block



## Aging test

### IEC 60947-7-1/-2

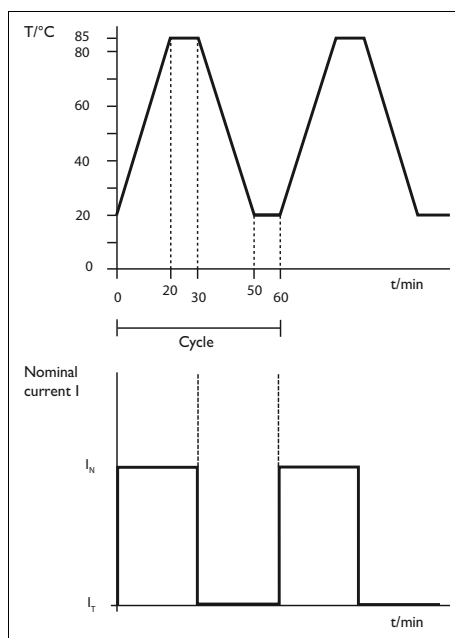
From the point of view of long lifecycles of the terminal blocks, the aging behavior also plays an important role.

In this test, the contact quality is verified by means of simulated aging.

To simulate several years of use, five terminal blocks are mounted horizontally on a rail and connected in series using conductors with the rated cross section. Conductors with a minimum length of 300 mm are connected and the voltage drop is measured on every terminal block. The minimum temperature in the climate cabinet is set to 20°C and the maximum temperature to 85°C. During the heating phase and the 10-minute pause phase with maximum temperature, the rated current flows. As a result, the maximum permissible operating temperature of the test object (130°C maximum) is reached. The cooling down phase follows. The voltage drop is always measured after 24 cycles in the cooled down state (approximately 20°C). The test consists of a total of 192 cycles.

The voltage drop must not exceed 3.2 mV initially. During or after testing, it must not exceed 4.8 mV or 1.5 times the value measured after the 24th cycle.

Terminal blocks from Phoenix Contact are designed for extreme durability even under difficult temperature conditions. Plastic as well as metal parts provide sufficient safety reserves.



Current and temperature in relation to time

## Corrosion test

### DIN 50018

The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. Corrosion-free contact areas are a prerequisite for low-resistance and therefore high-performance connections. This test method describes a corrosion test in condensation climates with an atmosphere that contains sulfur dioxide. Acidic compounds < Ph 7 form during the test and attack the metal surfaces. Two liters of distilled water and one liter of SO<sub>2</sub> gas are introduced into the test chamber. At a test temperature of 40°C, sulfurous acid forms during the test.

After eight hours of testing, the test objects dry for 16 hours with the door open. At the end of the test, the test objects are visually inspected, and the

contact resistance is measured in order to show the influence of this corrosion test on the contact point in more detail. Phoenix Contact terminal blocks create high-quality, gas-tight connections that cannot be impaired even by aggressive substances.



#### Environmental testing methods

##### IEC 60068-2-42/43

The mechanical and electrical service life of terminal blocks is directly dependent on the metal parts and insulation materials used. To evaluate the climatic effects on electrical connections, terminal blocks are subjected to various environmental simulation tests. The conductor contact points, the knife disconnect points, and the test contacts are included in these tests. The contact resistance values, the secure fit of the conductor, and the visual assessment of the contact points after each test serve as evaluation criteria.

- 10-day storage in aggressive SO<sub>2</sub> industrial atmospheres at 25°C and 75% humidity
  - 4-day storage in aggressive H<sub>2</sub>S atmospheres at 25°C and 75% humidity
- After the test has been completed, the contact resistance must not exceed 1.5 times the initial value. The function of the terminal block must be ensured without any limitation. The high standard of quality of Phoenix Contact terminal blocks is achieved by using corrosion-resistant, high-grade copper alloys.

#### Salt spray

##### IEC 60068-2-11/-52

Particularly in shipbuilding, technical components have to function continuously in corrosive atmospheres. The salt content of the air combined with the increased humidity places high demands on the metal parts used. The impact of the climate at sea can be simulated on the basis of the above standard.

The resistance of the materials in a corrosive atmosphere is tested using salt spray. The test objects are placed in the test chamber and subjected to a finely dosed spray of 5% sodium chloride solution (NaCl; pH value 6.5 - 7.2) at a temperature of 35°C for a period of 96 hours.

At the end of the test, the test objects are visually inspected and an electrical test is performed to show the influence of this

corrosion test on the contact point in more detail.

All Phoenix Contact terminal blocks, whatever their connection technology, create gas-tight connections. This means that the contact point is protected against corrosion even under extreme climatic conditions.



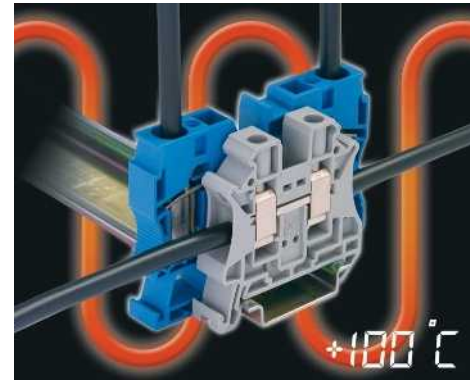
## Temperature shock test

### DIN EN 60352 P4

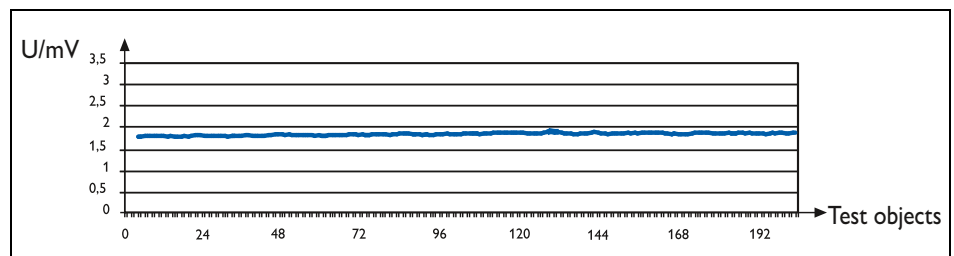
As mentioned earlier, rapid changes in temperature frequently occur near process-related sources of heat and cold in process engineering. This test verifies that the contact quality of the terminal points remains consistently high even with rapid temperature changes.

For testing purposes, five terminal blocks are mounted on the support and wired to a conductor with the rated cross section. The structure is subjected to rapid temperature changes using a two-chamber method. The temperatures lie close to the upper and lower limiting temperatures of the terminal block. This is generally a temperature range of  $-55^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$ . The dwell time in each climatic chamber is 45 minutes, whereby the change takes place within a few seconds. This change is performed for 100 cycles.

The requirements are met if, after the test, the single parts are undamaged and their further use is guaranteed.



After the terminal block has cooled down to room temperature, it must undergo a voltage-drop test. Phoenix Contact terminal blocks exhibit consistently good temperature behavior, thanks to high-quality materials.



Voltage-drop test on more than 200 test objects following the test

### Vibration test

#### DIN EN 61373 – broadband noise (intensity according to DIN EN 50155)

In transportation technology, terminal blocks are always exposed to vibrations and shocks. These occur particularly in the vicinity of engines, rotating drives, and axles.

For a practical simulation of the vibration stress, the test objects are subjected to broadband noise-induced vibrations. This means that realistic accelerations are generated at the terminal block and the connected conductor.

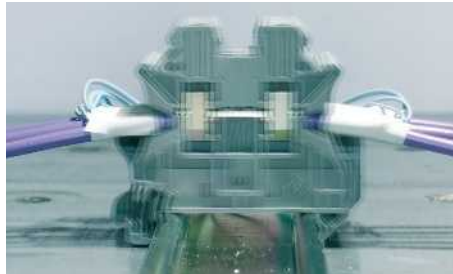
During the category 1b test, the test objects are exposed to a frequency range of 5 Hz to 150 Hz. The r.m.s. value of the acceleration is up to  $5.72 \text{ m/s}^2$ . The test objects are tested for 5 hours on each of the three axes (x, y, z).

In addition to the vibrations, the electrical contact is monitored during the test to make it more difficult.

No damage may occur to the terminal blocks that would impair their further use. In

addition, no contact interruptions  $> 1 \mu\text{s}$  are permitted during the test.

All Phoenix Contact terminal blocks, whatever their connection technology, meet this high vibration requirement.



### Shock testing

#### IEC 60068-2-27

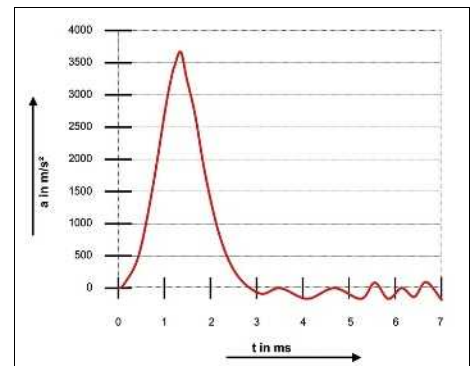
This test is performed to test and document the resistance of a terminal connection to irregular occurring shocks with varying energy content. Intensities from DIN EN 50155 and DIN EN 61373 (European standard for railway applications) are used to simulate the load in rail traffic.

For the definition of the shock, acceleration and duration are specified. IEC 60068-2-27 prescribes three positive and negative shocks on each of the three spatial axes (X, Y, Z). The simulated accelerations reach  $50 \text{ m/s}^2$  with a shock duration of 30 ms.

No damage may occur at the terminal connection that would impair further use.

The contact behavior at the test objects is monitored during the test. When the railway standard is applied, no contact interruptions  $> 1 \mu\text{s}$  are permitted.

Phoenix Contact terminal blocks achieve this shock resistance and are suitable for applications with the most extreme vibrations.



Shock diagram with 3 ms/350 g

### Vibration test

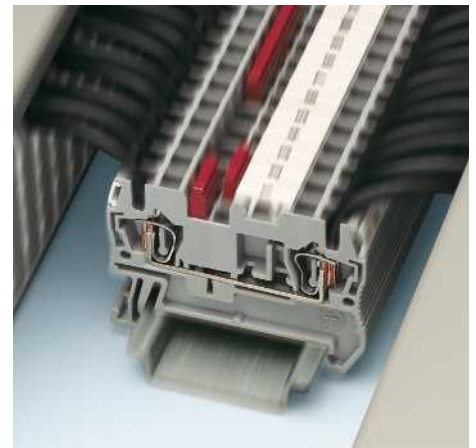
#### IEC 60068-2-6

This test demonstrates the vibration resistance of a terminal connection subjected to permanent vibrations. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. The test is performed on each of the three spatial axes (X, Y, Z). In the test, the object runs through a frequency range of 5 Hz to 150 Hz at a speed of one octave per minute. The r.m.s. value of the acceleration is up to  $40 \text{ m/s}^2$ . The test objects are tested for 2 hours on each of the three axes (x, y, z).

No damage may occur to the terminal blocks that would impair their further use. In addition, no contact interruptions  $> 1 \mu\text{s}$  are permitted during the test. The contact

resistance is measured before and after the test.

All connection technologies meet the requirements of the standard without the electrical contact being interrupted. They are therefore particularly suitable for challenging applications in which the reliable function of the terminal connection must be ensured, even when subjected to vibrations.



## Quality features of insulation material

### Thermoplastics

The majority of our insulating housing is made from thermoplastic materials. Roughly speaking, these can be divided into amorphous and semi-crystalline substances. Thermoplastics are processed using the efficient and environmentally-friendly injection molding process. They have good recycling properties and can be re-used. We use many materials that are modified in different ways to meet the demanding requirements of electrical and electronic modules, devices, and systems with regard to their mechanical, thermal, and electrical properties. The thermoplastic is halogen free, i.e., there are no combustion fumes that can lead to corrosive condensation alone or in conjunction with humidity. It also contains no silicone compounds, formaldehyde, PCB or PCT.

### Behavior of plastics under the influence of temperature (operating temperatures)

All plastics undergo a process referred to as thermal aging when they are subjected to heat over long periods. This process causes changes in the mechanical and electrical properties of the material. External influences, e.g., radiation, additional mechanical, chemical or electrical stresses, amplify this effect. Special tests on samples can yield characteristic data which provides a good means of drawing comparisons between different plastics. However, applying these characteristics to an evaluation of molded plastic parts is only possible to a limited extent, and can only give the designer a rough guide when it comes to selecting a plastic material. IEC 60947-7-1/EN 60947-7-1 specifies a permissible temperature increase of 45 K for terminal blocks under nominal load. Phoenix Contact terminal blocks meet this requirement.

### Inflammability characteristics of plastics (UL 94)

Inflammability tests for plastics have been defined by Underwriters Laboratories (USA) in regulation UL 94. This applies to all areas of application, but in particular to electrical engineering. A horizontal or vertical test is carried out at the test laboratory to determine the inflammability of the plastic material with a naked flame. In order of increasing resistance to combustion, the evaluation classes are HB, V1, V2, V0. Test results are recorded on "yellow cards" and are published annually in the **Recognized Component Directory**.

### Thermoplastics: non-reinforced polyamide, PA

We use the modern, semi-crystalline polyamide insulation material, which has now become an essential component in electrical engineering and electronics. It has long occupied a leading position and is authorized for use by the relevant approval authorities such as the CSA, KEMA, PTB, SEV, UL, VDE, etc.

Polyamide also has excellent electrical, mechanical, chemical, and other properties, even at high operating temperatures. Brief peak temperatures of up to approximately 200°C are permitted as a result of heat aging stabilization. Depending on the type (PA 4.6, 6.6, 6.10, etc.), its melting point is in the region of 215°C to 295°C.

Polyamide absorbs moisture from its surroundings, on average 2.8%. However, this moisture is not in the form of crystallization water in the plastic itself, but chemically bonded H<sub>2</sub>O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -40°C. As per UL 94, PA belongs to inflammability class V2 to V0.

### Thermoplastics: fiberglass-reinforced polyamide, PA-F

Fiber-reinforced polyamides feature greater rigidity and hardness as well as operating temperatures higher than those of non-reinforced materials. This means that they are also suitable for use in applications such as surge protection.

Reinforced polyamide absorbs less moisture than the non-reinforced material. Otherwise, the properties are largely the same. As per UL 94, fiber-reinforced polyamide belongs to inflammability class HB to V0, although V0 materials are usually only available in black.

### Thermoplastics: ABS

We use the thermoplastic molding compound ABS for products which must have good impact and notched impact properties in addition to high mechanical stability and rigidity. The products are resistant to chemicals and stress cracking due to their special surface quality and hardness.

The characteristic thermal properties provide good dimensional stability at both low and high temperatures. Products made of ABS can be coated with metallic surfaces, e.g., nickel.

As per UL 94, the molding compound used belongs to inflammability class HB to V0.

### Thermoplastics: polyvinyl chloride, PVC

PVC is resistant to salt solutions, diluted and concentrated lyes and to most diluted and concentrated acids except for fuming sulfuric acid and concentrated nitric acid.

PVC is flame-retardant even without fire protection equipment (B1 according to DIN 4102 to UL 94 V0).

Properties	Unit/level	Polyamide PA	Polyamide PA	Polyamide PA-GF	Polyamide PA-GF	Polycarbonate PC-GF
Continuous temperature, DIN IEC 60216	°C	≤130	≤125	120	120	130
Minimum temperature for use (without mechanical load)	°C	-60	-60	-60	-60	-60
Electric strength, IEC 60243-1/DIN VDE 0303-21	kV/cm	600	600	330	400	300
Resistance to creepage, IEC 60112/DIN VDE 0303-1	CTI...	600	600	550	475	175
Tropical and termite resistance		Good	Good	Good	Good	Good
Specific contact resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	Ω cm	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	10 <sup>12</sup>	> 10 <sup>14</sup>
Surface resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	W	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>12</sup>	10 <sup>12</sup>	> 10 <sup>14</sup>
Inflammability class according to UL 94		V0	V2	V0	HB	V0

### Insulation material properties

#### IEC 60210-1/UL 746 B

In the following tests, an increased load on the terminal block is simulated over a longer period of time. The behavior of plastics at constantly higher temperatures is described with respect to their tensile strength and insulation properties. IEC 60216 and UL 746 B specify a temperature index that allows conclusions to be drawn regarding the service life of plastics under thermal loads. Characteristic values are specified for both properties:

- Mechanically as a TI value according to IEC 60216
- Electrically as an RTI value according to UL 746 B

#### IEC 60216 – TI value

The tensile strength is measured over 5000 hours and the result is extrapolated to 20,000 hours. After 20,000 hours, the temperature is recorded at which the tensile strength decreased by half.

#### UL 746 B – RTI value

The RTI (elec.) indicates the highest operating temperature before a disruptive discharge occurs under certain test conditions. The polyamides used by Phoenix Contact are classified as follows:

	UL 94 V2	UL 94 V0
<b>TI</b>	105°C	125°C
<b>RTI</b>	125°C	130°C

Ceramic terminal blocks, for example, are available for use at higher temperatures.

### Surface inflammability

#### ASTM E 162

The spread of a fire under the influence of heat is tested and evaluated in the above standard.

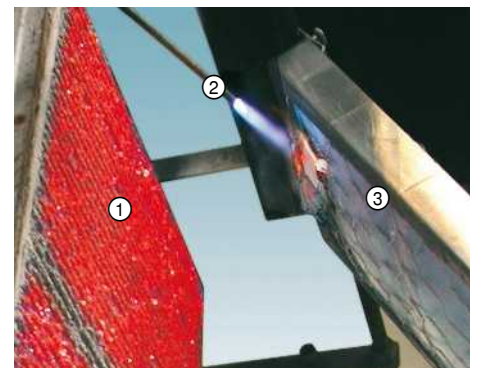
To evaluate the surface inflammability of plastics, a “flame spread index” is devised according to ASTM E 162 to provide information on flame propagation under given test conditions.

For this purpose, a sample (152 x 457 x maximum 25.4 mm) is irradiated with a heat source (815°C) at an angle of 30° and ignited with a naked flame at the top end. During the 15-minute duration of the test, the time in which the flame front reaches two measuring points that are 76 mm apart is determined. The product of this flame propagation time and a calculated heat development factor yields the “flame spread index”.

In the American railroad sector, the maximum limit value is 35. In this test, the

drip behavior of the plastic is also observed and evaluated.

The terminal blocks from Phoenix Contact achieve a flame spread index of 5, drip without burning, and are therefore well below the maximum permitted values of the Federal Railroad Administration (FRA) of the US Department of Transportation.



- ① Radiant heater
- ② Flame
- ③ Plastic sample

## Smoke gas development

### ASTM E 662

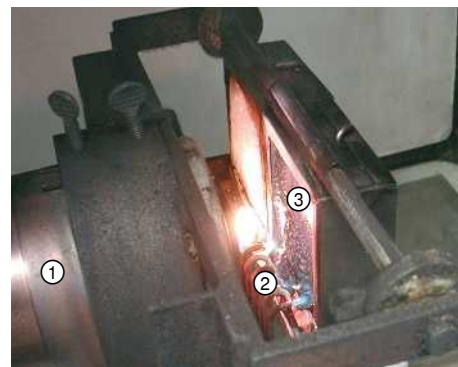
Standard ASTM E 662 specifies a procedure for evaluating the specific optical density of the smoke (smoke opacity) during an open fire or a smoldering fire. For this purpose, the percentage of light transmitted in relation to the burning chamber volume is observed. A sample (76 x 76 x maximum 25 mm) is placed in a smoke density chamber (see figure) as defined by the NBS (National Bureau of Standards). The test object is irradiated with a heat of 2.5 W/cm<sup>2</sup>. The following processes are then simulated for 20 minutes:

1. Burning with a naked flame
2. Smoldering fire, avoidance of a naked flame

There are special limit values for the optical smoke density of both processes that are recorded after 1.5 and 4 minutes.

- a. Specific optical smoke density (Ds1.5) – limit value 100
- b. Specific optical smoke density (Ds4) – limit value 200
- c. Maximum smoke density (Dm) during the 20 minutes

The polyamides used for Phoenix Contact terminal blocks meet all the requirements of the Federal Railroad Administration (FRA) of the US Department of Transportation according to ASTM E 662.



① Radiant heater  
② Flame  
③ Plastic sample

## Behavior in fire

### NF F 16-101

NF F 16-101 describes the behavior in fire of plastics on the basis of two indices (I and F). As such, the following tests are performed: glow-wire test, oxygen index, smoke gas opacity, smoke gas toxicology.

#### 1. Determination of index I (0 - 4)

Index I is determined from the results of the glow-wire test and the oxygen index, using the following table. Here, I 0 is the best classification and I 4 the worst.

Index	Oxygen index	Glow wire
I 0	70%	960°C, no flame formation
I 1	45%	960°C, no flame formation
I 2	32%	960°C, no flame formation
I 3	28%	850°C, no flame formation
I 4	20%	850°C, flame extinguishes quickly

#### 2. Determination of smoke index F (0 - 5)

This is based on the smoke gas opacity and the smoke gas toxicity. The following concentrations in [ppm] are considered critical:

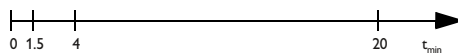
Carbon monoxide (CO)	1750
Carbon dioxide (CO <sub>2</sub> )	90,000
Hydrochloric acid (HCl)	150
Hydrobromic acid (HBr)	170
Hydrocyanic acid (HCN)	55
Hydrofluoric acid (HF)	17
Sulfur dioxide (SO <sub>2</sub> )	260

Using the test results, a smoke index is documented and can be assigned to classes F 0 - F 5 depending on the value. Here, F 0 is the best classification and F 5 the worst. Terminal blocks from Phoenix Contact attain classification I 2/F 2.

## Smoke gas toxicity

### SMP 800-C

SMP 800 C describes the maximum permissible values of toxic smoke gases when a plastic is burned. In comparison with BSS 7239 (Boeing standard), this standard specifies more precise measuring methods for the qualitative and quantitative determination of toxic smoke gases that result when a test object is completely burned. The smoke gases of these measurements are taken from the NBS test chamber of the ASTM E 662 test. The same time scheme is valid here as in ASTM E 662.



Data is recorded over a full 20 minutes. SMP 800-C limit values of toxic smoke gases in ppm:

Carbon monoxide (CO)	3500
Carbon dioxide (CO <sub>2</sub> )	90,000
Nitrogen oxides (NO <sub>x</sub> )	100
Sulfur dioxide (SO <sub>2</sub> )	100
Hydrochloric acid (HCl)	500
Hydrobromic acid (HBr)	100
Hydrofluoric acid (HF)	100
Hydrocyanic acid (HCN)	100

The polyamides used by Phoenix Contact are many times below the critical concentrations.

#### Halogen-free flame protection

##### DIN EN ISO 1043-4

Halogens are the chemical elements fluorine, chlorine, bromine, and iodine. One property of halogen compounds is the reduction in the degree of inflammability when used in plastics. In fire-protection tests, a connection has been established between the release of toxic gases and halogens.

Terminal blocks from the CLIPLINE complete system are made of polyamide 6.6 (PA 6.6) with fire protection classification UL 94 V0. Melamine cyanurates are used instead of flame protection agents that contain halogen. Phoenix Contact terminal blocks are therefore, without exception, entirely free of halogens.



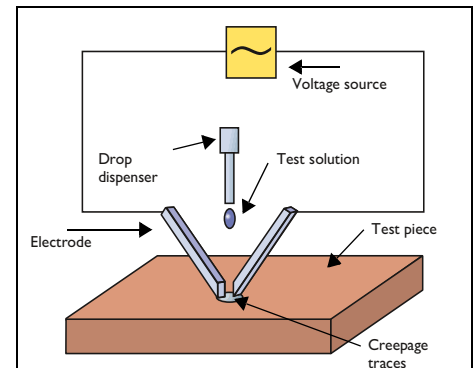
#### Comparative tracking index (CTI)

##### DIN EN 60112

Humidity and contamination facilitate the formation of creepage distances on the plastic surface. The formation of creepage distances refers to the occurrence of conductive connections between neighboring potentials depending on their voltage differences under electrolytic influences. The CTI value of a plastic indicates the extent to which this creepage distance formation is prevented. Two platinum electrodes are set up on a test piece (20 x 20 x 3 mm) with a spacing of 4 mm. A test voltage specified by the standard is applied to both electrodes, which are

subsequently sprinkled with a drop of test solution every 30 seconds from a device.

The test evaluates the maximum voltage value at which 50 drops are applied without a short-circuit current > 0.5 A. The plastics used by Phoenix Contact are classified in the highest test voltage category with a CTI value of 600.



#### Glow-wire test

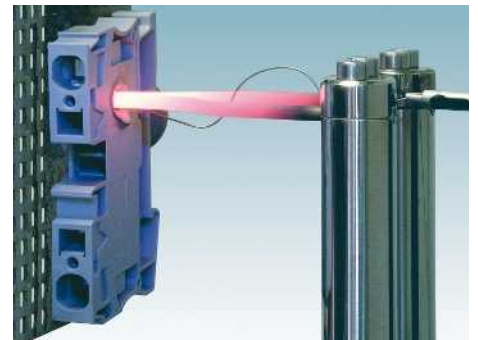
##### IEC 60695-2-11

In the event of overload, conductive metal parts of the terminal block or connected conductors can heat up considerably. This additional heat affects the plastic housing. To simulate this source of danger for electrotechnical components, a glow wire is heated to a specific temperature (550°C, 650°C, 750°C, 850°C or 960°C) in a glow-wire test and is then pushed onto the thinnest part of the housing of the test object at a right angle with a force of 1 N, as shown in the figure. The test is deemed to be passed:

– When no flame or glowing process occurs during the test

- When the flames or glowing processes are extinguished within 30 seconds of the glow wire being removed
- When the tracing paper beneath the glow wire does not ignite due to drops of burning substances falling down

The polyamides used by Phoenix Contact as housing materials all meet the requirements of the glow-wire test at 960°C (highest level).





## Needle flame test

### IEC 60947-7-1/-2

As far as the use of terminal blocks is concerned, behavior in fire when in direct contact with a source of ignition is a major criterion. Such sources of ignition could be electric arcs along a creepage distance, for example. Terminal blocks must not aid or accelerate fires and the plastics must have self-extinguishing properties.

This fire test simulates the behavior of the components with an external source of ignition acting on them directly from outside.

In the test, a naked flame fed with butane gas is held at an edge or surface of the test object at an angle of 45° for 10 seconds (see figure). The behavior of the test object without a source of ignition is then observed.

- The test is deemed to be passed:
- When the flames or glowing processes are extinguished within 30 seconds of the flame being removed.
  - When the tracing paper beneath the test object does not ignite due to drops of burning substances falling down.

All Phoenix Contact terminal blocks pass the needle flame test thanks to the high-grade plastics used and their structural design.



## Heating value of the plastic

### DIN 51900-2/ASTM E 1354

Due to experience with catastrophic fires, technical plants are increasingly also classified according to the amount of heat dissipation in the case of fire. The reason for this is to limit heat generation in relation to the area.

#### Fire load

The fire load is the amount of energy released over a particular area during burning. The value of the fire load is usually expressed in MJ/m<sup>2</sup>. The higher the calorific value and the presence of a substance, the greater the amount of energy released during burning. The calorific values of polyamides are relatively high. For this reason, the calorific values of terminal blocks are also increasingly included in the fire load determination. Calorific values of the plastics used by Phoenix Contact according to:

#### DIN 51900-2:

Polyamide 66 V2 . . . . . Approx. 30 MJ/kg  
 Polyamide 66 V0 . . . . . Approx. 32 MJ/kg

#### ASTM E 1354:

Polyamide 66 V2 . . . . . Approx. 22 MJ/kg  
 Polyamide 66 V0 . . . . . Approx. 24 MJ/kg

For comparison:

Heating oil . . . . . Approx. 44 MJ/kg

To calculate the fire load of individual components, the calorific value of each polyamide must be multiplied by the weight of the part.

### Inflammability classification

#### UL 94

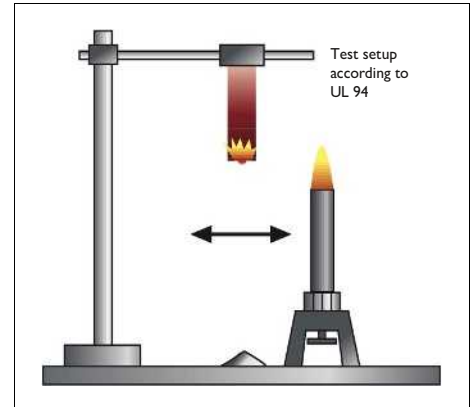
UL 94 describes inflammability tests that have gained particular importance in the field of electrical engineering. Behavior in fire is the main focus. Items are classified according to either UL 94 HB (Horizontal Burn) or UL 94 V (Vertical Burn). The test setup is such that the 94 V0/1/2 classifications are stricter than the 94 HB classification.

#### UL 94 V0/1/2

After conditioning, the test bar is vertically clamped and flame-treated several times for 10 seconds at a time. Between the flame treatments, the time until the test bar is extinguished is measured.

Afterwards, the afterburning times and the drip behavior are evaluated.

The plastic used for Phoenix Contact terminal blocks meets the higher-grade criteria for classification as a V0 material.



Classification	UL 94 V0	UL 94 V1	UL 94 V2
Burning time after each flame treatment	≤ 10 s	≤ 30 s	≤ 30 s
Total burning time after 10 flame treatments	≤ 50 s	≤ 250 s	≤ 250 s
Glowing time after the 2nd flame treatment	≤ 30 s	≤ 60 s	≤ 60 s
Complete burn-off	no	no	no
Ignition of the absorbent cotton under the sample	no	no	no

### Shock protection

#### IEC 60529/DIN EN 50274

Electrical installations and plants must also afford service technicians a high level of safety when carrying out maintenance involving measuring and testing tasks.

BGV A2 specifies safety distances for work, operation, and occasional handling near parts that pose a potential danger in low-voltage plants up to 1000 V AC and 1500 V DC, based on standard IEC 60529. For the purpose of contact safety, a distinction is made between the back of hand safety and finger safety. The extent to which conductive parts are safe to touch is tested with a test finger and test ball. It must not be possible to touch conductive parts with the test equipment.

Phoenix Contact terminal blocks are designed according to IEC 60529/DIN EN 50274.



Test finger Ø 12.5 mm



Test ball Ø 50 mm

## Color designations

Color	Code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL
Rose	RS
Pink	PK

# Index

## Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
			BP 4-5VT	3208734	246	D-PT 1,5/S-QUATTRO/2P	3212426	255	D-QTCU 2,5-TWIN-MT	3050511	223
						D-PT 1,5/S-TWIN	3208184	87	D-QTTCB 1,5	3205187	216
						D-PT 1,5/S-TWIN-MT-0,8	3210313	90	D-QTTCB 1,5/2P	3206306	307
						D-PT 1,5/S-TWIN-MT-0,8 OG	3210314	90	D-QTTCS 1,5	3206335	219
<b>A</b>						D-PT 10	3212057	147	D-QTTTCBU 1,5	3050536	218
AB-PTI	3214006	126				D-PT 10-TWIN	3208748	147	D-RSC 5	3058020	479
AB-PTI 4/3	3214053	139				D-PT 16 N	3212060	149	D-RSC 5-F	3059647	479
AB-PTI 6	3214008	145	<b>C</b>			D-PT 16-TWIN N	3208799	149	D-RSC 5-T	3058046	480
AB-PTI/3	3213974	127									
AB-SK	3025341	517	C-FC 1,5/M3	3240137	565	D-PT 2,5-3L	3211647	112	D-RSC 5-T-F	3059346	480
AB-SK 65	3026489	517	C-FC 2,5/M3	3240142	565	D-PT 2,5-4L/1P	3012301	266	D-RSC 6	3213098	481
AB-SK 65-D	3026900	519	C-FCI 1,5/M3	3240032	534	D-PT 2,5-4L/2P	3012311	266	D-RSC 6-F	3213108	481
AB-SK 65-D INSULATED	3040889	519	C-FCI 2,5/M3	3240037	534	D-PT 2,5-HEXA/3P	3040058	263	D-RT 3/5	3049097	329
AB-SK TOP	3062090	516	C-ME 4/2	3035759	49	D-PT 2,5-MT	3211003	113	D-RT 4-T	3006066	333
AB-SK TOP INSULATED	3062074	516	C-ME 4/3	3035760	49	D-PT 2,5-MTB	3210196	113	D-RT 5-T	3049291	332
AB-SK-D TOP	3062100	518	C-ME 6/1	3034441	57	D-PT 2,5-PE/3L	3210543	113	D-RT 8	3049194	335
AB-SK-D TOP INSULATED	3062087	519	C-ME 6/2	3034442	57	D-PT 2,5-QUATTRO-MTB	3210209	115	D-SC 2,5	3042243	287
AB-SK/E	3026476	522	C-ME 6/3	3034390	57	D-PT 2,5-TWIN-MT	3211317	114	D-SC 4	3043307	301
AB-SK/E-NS 35	3213111	522	C-RCI 1,5/M3	3240016	534	D-PT 2,5-TWIN-MTB	3210202	114	D-SRK 6	3029981	198
AB-SKS 60	3240223	517	C-RCI 2,5/M3	3240021	534	D-PT 4-PE/3L	3210443	134	D-SSK 0525 KER	0201061	451
AB-STI 16/10	3037669	201	CARRIER 35-8	3034387	343	D-PT 4-QUATTRO	3208979	133	D-SSK 110 KER	0202060	452
AB-UTN 2,5/10	3245082	51	CARRIER-TM 300	0828282	352	D-PT 4-TWIN	3208977	133	D-SSK 116 KER	0203069	453
AB/NS	1201141	447	CARRIER-TMD 300	0828693	352	D-PT 6	3212044	141	D-SSK 135 KER	0205067	453
AB/SKS	3240224	520	CARRIER-TMH 300	0830670	352	D-PT 6-QUATTRO	3212963	141	D-ST 1,5/S-QUATTRO	3213166	168
AB/SS	0404428	520	CDC-PTRV	3270167	92	D-PT 6-QUATTRO/2P	3061855	275	D-ST 10	3036644	201
AB/SS-M	3025888	520	CEC 2,5	3062757	348	D-PT 6-TWIN	3211508	141	D-ST 10-TWIN	3035315	201
AB2/SS	0404431	521	CLIP-PROJECT ADVANCED	5146040	596	D-PTB 2,5-PE/L/L	3210553	131	D-ST 16	3036657	205
AB3/SS	0800086	521	CLIP-PROJECT PROFESSIONAL	5146053	597	D-PTB 2,5/3	3210552	130	D-ST 16-TWIN	3035357	205
ABN 2/SS	0404460	521	CLIPFIX 35-5	3022276	491	D-PTC 2,5-MT	3270097	114	D-ST 2,5	3030417	111
AGK 10-PTPOWER	3260145	154	CP 4/6	3061049	315	D-PTC 2,5-TWIN-MT	3270100	115	D-ST 2,5-3L	3036660	173
AGK 10-PTPOWER BK/YE	3260154	154	CP-H 2,5-4L	3012313	266	D-PTI 4/3	3214054	139	D-ST 2,5-4L/1P	3041930	285
AGK 10-PTPOWER BU	3260148	154	CP-H 2,5-4L-PE	3012323	266	D-PTI/3	3213975	127	D-ST 2,5-4L/2P	3041927	285
AGK 10-PTPOWER GN/YE	3260151	154	CP-H 2,5-4L-Z	3012314	266	D-PTI/3B	3213976	117	D-ST 2,5-PE/3L	3036673	173
AGK 10-UKH 150/240	3003554	74	CP-H 2,5-4L-Z-PE	3012324	266	D-PTIO 1,5/S/3	3244575	89	D-ST 2,5-QUATTRO	3030514	111
AGK 10-UKH 50	3001763	66	CPH 3-9	3212015	316	D-PTIO 1,5/S/4	3244588	89	D-ST 2,5-QUATTRO-0,8 OG	3030513	111
AGK 10-UKH 95	3003541	72	CZ/2	3043831	312	D-PTIME 4	3212167	136	D-ST 2,5-QUATTRO-MT	3038590	115
AGK 4-UT 10	3047112	60				D-PTIME 6-CT/1P	3212303	276	D-ST 2,5-QUATTRO/2P	3040083	263
AGK 4-UT 16	3047125	62				D-PTIME 6/1P	3212307	275	D-ST 2,5-QUATTRO/4P	3042175	265
AGK 4-UT 35	3047138	64				D-PTN 2,5	3213977	126	D-ST 2,5-TWIN	3030488	111
AKG 16 BU	0423014	447				D-PTN 4	3213978	138	D-ST 2,5-TWIN-0,8 OG	3030512	111
AKG 35 BU	0424013	447				D-PTN 6	3213979	145	D-ST 4	3030420	133
AP RSC	3058017	479	D-CP-H 2,5-4L	3012320	266	D-PTRV 4 WH	3270151	92	D-ST 4-QUATTRO	3030527	187
AP RSC-T	3059139	539	D-DTI 2,5	3034824	126	D-PTRV 4 WH 1-4	3270152	92	D-ST 4-QUATTRO/2P	3043747	299
AP-CP-H	METER	3012315	D-DTI 4	3034895	138	D-PTRV 4 WH A-D	3270153	92	D-ST 4-QUATTRO/4CP	3042739	300
AP-FTP	METER	3069899	D-DTI 6	3034947	145	D-PTRV 8 WH	3270154	94	D-ST 4-TWIN	3030491	187
AP-ME	METER	3034361	D-DTME 6	3034426	142	D-PTRV 8 WH 1-8	3270155	94	D-ST 6	3030433	195
AP-NLS	5037133	447	D-HK 4	2002022	439	D-PTRV 8 WH A-H	3270156	94	D-ST 6-TWIN	3036767	195
APH-ME	3034374	539	D-MBK 5/E-T	1413706	410	D-PTS 1,5/S	3214576	108	D-STI 10/16	3038309	201
APH-UTWE 6	3069056	566	D-MBK 6/E	1413049	468	D-PTT 1,5/S-2MT-0,8	3210353	91	D-STIO 2,5/3	3209112	174
APH-UTWE 6-2	3069057	539	D-MBKKB 2,5	1413052	470	D-PTT 1,5/S-2MT-0,8 OG	3210354	91	D-STIO 2,5/4	3209125	175
APT-ME	3034358	533	D-MBKKB 2,5 BU	1413081	470	D-PTT 2,5-2MT-0,8	3210300	116	D-STIS 2,5	3031762	124
ASB 2-RTK/S	0311281	423	D-MPT 1,5/S	3248120	109	D-PTT 2,5-2MT-0,8 OG	3210299	116	D-STIS 4	3031704	191
ATP-DIK 1,5	1413272	382	D-MPT 2,5	3248140	131	D-PTTB 1,5/S	3208579	87	D-STIS 4-TWIN/L	3036770	192
ATP-DIKD 1,5	1413285	383	D-MSBV 2,5	3251018	184	D-PTTB 1,5/S/2P	3212471	255	D-STIS 6	3038189	197
ATP-MBK	1413227	468	D-MT 1,5	3100321	463	D-PTTB 1,5/S/4P	3213894	256	D-STIS 6-TWIN	3038202	197
ATP-OTTA 2,5	0790572	473	D-MT 1,5 BU	3025529	463	D-PTTB 2,5	3211634	111	D-STTB 2,5	3030459	168
ATP-OTTA 25	0790501	475	D-MT 1,5-QUATTRO	3002982	464	D-PTTBS 1,5/S	3214699	108	D-STTB 2,5-TWIN	3038558	172
ATP-UK	3003224	360	D-MT 1,5-QUATTRO BU	3025309	464	D-PTTBS 1,5/S/2P	3214534	257	D-STTB 2,5/2P	3040096	264
ATP-UK 5-MTK	3004210	417	D-MT 1,5-TWIN	3002979	464	D-PTTBS 2,5-2MT	3210404	116	D-STTB 2,5/4P	3061538	236
ATP-UKK 3/5	2778521	374	D-MTK	3101029	416	D-PTTBS 2,5-QUATTRO	3210613	112	D-STTB 4	3030462	133
ATP-UKKB 3	2771065	374	D-MTK BU	3101090	416	D-PTTBS 2,5-TWIN	3210608	112	D-STTBS 2,5	3038503	124
ATP-URTK/SP	0311139	143	D-MTTB 1,5	3002665	465	D-PTU 2,5	3209522	123	D-STTBS 4	3035098	192
ATS-GSK	0304227	400	D-MUT 2,5/4	3248033	39	D-PTU 4	3211858	137	D-STTBS 4-MT	3035548	193
ATS-MTK	3101223	416	D-MZB 1,5	3024177	182	D-PTU 4-MT	3209534	138	D-STU 10/ 4X2,5	3033197	202
ATS-RTK	0310224	423	D-MZB 1,5-F	3024180	183	D-PTU 4-TWIN	3211863	137	D-STU 2,5-TWIN	3033045	123
ATS-RTK-BEN	0308223	423	D-MZFKK 1,5	3029839	169	D-PTU 6-T	3209533	143	D-UJK 4	2775113	372
ATS-URTK/SS	0321226	421	D-MZFKKB 1,5	3024630	169	D-QTC 1,5	3205161	215	D-UJK 4 BU	2775197	372
			D-OTTA 2,5	0790569	473	D-QTC 1,5-QUATTRO	3205174	215	D-UJK-RELG	2777027	411
			D-OTTA 6	0790417	474	D-QTC 1,5-TWIN	3205190	215	D-UJGSK	0304023	421
			D-OTTA 6-T	0790459	476	D-QTC 1,5/1P	3206322	307	D-UHSC 2000	0704021	362
			D-OTTA 25	0790514	475	D-QTC 2,5	3206568	221	D-UK 2,5	3001022	360
			D-OTTA/RBO-SB	3001355	477	D-QTC 2,5-QUATTRO	3206449	221	D-UK 2,5 BU	3001103	360
			D-PPC 1,5/S	3213690	258	D-QTC 2,5-TWIN	3206571	221	D-UK 4/10	3003020	361
<b>B</b>											
BE-RT 3/5	3049819	328	D-PPC 6	3000703	278	D-QTCS 1,5	3206270	219	D-UK 4/10 BU	3033101	361
BE-RT 8	3049916	334	D-PT 1,5/S	3208142	87	D-QTCS 1,5-TWIN	3206403	219	D-UK 5-TWIN	1923034	368
BES 6	2802549	414	D-PT 1,5/S-3L	3113771	88	D-QTCS 2,5	3206584	223	D-UK 5-TWIN BU	1923050	368
BES 6-1N4007	2802552	414	D-PT 1,5/S-MT-0,8	3210303	90	D-QTCS 2,5 TWIN	3050523	223	D-UK 16	3006027	363
BES 6-LA 24	2802565	414	D-PT 1,5/S-MT-0,8 OG	3210304	90	D-QTCU 1,5	3206283	218	D-UJK 4-SD	3246862	430
BES 6-LA230	2802578	414	D-PT 1,5/S-QUATTRO	3208375	87	D-QTCU 1,5-TWIN	3206296	218	D-UJK 5-HESI N	3000543	392
BN WH	1401404	499	D-PT 1,5/S-QUATTRO-MT-0,8	3210333	90	D-QTCU 2,5	3206597	222	D-UJK 6-T	3072802	424
BP 4-5CT	3208733	246	D-PT 1,5/S-QUATTRO-MT-0,8 OG	3210334	90	D-QTCU 2,5 TWIN	3050510	222	D-UJK 3/5	2770024	374

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
D-UJK 3/5 BU	2770105	374	DOK 1,5-TG	2717113	387	EBS 2-8	3118151	392	FBS 1/3-8	3032363	340
D-UJK 4	2770558	442	DOKD 1,5-TG	3011054	387	EBS 3-8	3118148	392	FBS 1/3/5-8	3032389	340
D-UKKB 3/5	2771023	374	DP PS-4	3036712	166	EBS 10-8	3118135	392	FBS 1/4-8	3032376	340
D-UKKB 3/5 BU	2771104	374	DP PS-5	3036725	30	ESB 2-MZDB	3029703	182	FBS 1/4/7/10-8	3032402	340
D-UKKB 10	3001394	376	DP PS-6	3036738	40				FBS 1/5-8	3032381	56
D-UJKN 2,5	3032017	447	DP PS-8	3036741	52				FBS 2-10	3005947	60
D-URTK	0310020	423	DP-CP-H 2,5-4L	3012319	266				FBS 2-12	3005950	62
D-URTK 6	3026340	427	DP-MBKKB 2,5	1413065	470	<b>F</b>			FBS 2-16	3005963	64
D-URTK/S-BEN	0308029	423	DP-MTTB 1,5	3002681	465	FB 10- GSK/S	0305174	421	FBS 2-4	3030116	166
D-URTK/SS	0321022	421	DP-PT 2,5-HEXA/3P	3040060	263	FB 10- RTK/S	0311171	423	FBS 2-4 BU	3030117	341
D-USK 4/10	0260028	441	DP-PTRV 4	3270163	92	FB 10- URTK/SP	0311663	429	FBS 2-4 GY	3030118	341
D-USST 4-MT	3070304	457	DP-PTRV 8	3270166	94	FB 10-13	3059126	479	FBS 2-5	3030161	30
D-USST 4/10	3070370	455	DP-STMED 6	3035690	144	FB 10-13 ISO	3059663	479	FBS 2-5 BU	3036877	341
D-USST 6-T	3070367	458	DP-UJ 10,3-HESI	3211238	404	FB 10-17	3075951	481	FBS 2-5 GY	3038969	341
D-UT 16	3047206	63	DP-UJK 3/5	2770794	374	FB 10-17 ISO	3213085	481	FBS 2-6	3030336	40
D-UT 2,5-3L	3214314	32	DP-UKKB 3/5	2770804	374	FB 10-9	3059113	486	FBS 2-6 BU	3036932	341
D-UT 2,5/10	3047028	31	DP-UTT 2,5/4	3044677	33	FB 10-9 ISO	3059650	486	FBS 2-6 GY	3032237	341
D-UT 2,5/1P	3047154	235	DP-UTTB 2,5/4	3047303	31	FBI 2-15	0201333	363	FBS 2-8	3030284	52
D-UT 2,5/4-QUATTRO	3047170	31				FBI 2-20	0201346	66	FBS 2-8 BU	3032567	341
D-UT 2,5/4-TWIN	3047141	31				FBI 3-15	0201278	445	FBS 2-8 GY	3032621	341
D-UT 4-QUATTRO HV	3048852	42				FBI 3-20	0201317	66	FBS 3-4	3030129	166
D-UT 4-QUATTRO/2P	3045648	241	<b>E</b>			FBI 10- 6	0203250	361	FBS 3-4 BU	3030130	341
D-UT 4-TWIN HV	3000710	41	E-UTWE 6	3069055	566	FBI 10- 8	0203263	362	FBS 3-4 GY	3030131	341
D-UT 4-TWIN/1P	3045237	235	E/1	1201044	451	FBI 10-10	0203276	362	FBS 3-5	3030174	30
D-UT 4/1P-H	3001382	241	E/AL-NS 35	1201662	482	FBI 10-12	0203454	199	FBS 3-5 BU	3036880	341
D-UT 6-QUATTRO/2P	3060607	251	EB 2-5	1401158	470	FBI 2-20 N	3213195	68	FBS 3-5 GY	3038972	341
D-UT 6-T-HV	3070147	56	EB 2-5	1401158	470	FBI 3-20 N	3213205	68	FBS 3-6	3030242	40
D-UT 6-T/SP	3072816	56	EB 2-6	0201155	369	FBP 12+1	3069408	565	FBS 3-6 BU	3036945	341
D-UTI/3	3076036	36	EB 2-8	0202154	143	FBP 3+1	3069399	565	FBS 3-6 GY	3032240	341
D-UTME 4	3047491	49	EB 2- OTTA 6	0790608	474	FBP 4+1	3069405	565	FBS 3-8	3030297	52
D-UTME 4-CT/1P	3057445	244	EB 2-10	0203153	395	FBP 5+1	3069409	565	FBS 3-8 BU	3032570	341
D-UTME 4/1P	3057429	243	EB 2-15 K/UK 35	0205119	445	FBP 6+1	3069406	565	FBS 3-8 GY	3032622	341
D-UTME 6	3047426	57	EB 2-18	3009300	402	FBP 8+1	3069407	565	FBS 4-4	3030132	166
D-UTN 2,5/10	3245079	36	EB 2-25/UKH	0201362	72	FBP 2/10	3069881	536	FBS 4-4 BU	3030133	341
D-UTT 2,5/4	3044676	33	EB 2-31/UKH	0201388	74	FBP 2/11	3069882	536	FBS 4-4 GY	3030134	341
D-UTTB 2,5/4	3047293	31	EB 2-36/UKH	0201401	76	FBP 2/12	3069883	536	FBS 4-5	3030187	30
D-UTTB 2,5/4 2P	3060393	235	EB 2-OTTA 2,5	3026065	473	FBP 2/13	3069884	536	FBS 4-5 BU	3036893	341
D-UTTB 4 HV	3000709	42	EB 3-5	1401145	470	FBP 2/14	3069885	536	FBS 4-5 GY	3038985	341
D-UJV 4	1922022	439	EB 3-6	0201142	369	FBP 2/15	3069886	536	FBS 4-6	3030255	40
D-UVKB 4	1920024	438	EB 3-8	0202141	143	FBP 2/16	3069887	536	FBS 4-6 BU	3036958	341
D/TP-VBS	0851026	440	EB 3-15 K/UK 35	0205106	445	FBP 2/17	3069888	536	FBS 4-6 GY	3032279	341
DF-PTMC-NS	3270403	99	EB 3-18	3009305	402	FBP 2/18	3069889	536	FBS 4-8	3030307	52
DF-PTMC-O	3270400	99	EB 3-25/UKH	0201375	72	FBP 2/19	3069890	536	FBS 4-8 BU	3032583	341
DF-PTMC-U	3270401	99	EB 3-31/UKH	0201391	74	FBP 2/20	3069891	536	FBS 4-8 GY	3032635	341
DF-PTMC-ZB	3270410	99	EB 3-36/UKH	0201414	76	FBP 2/21	3069892	536	FBS 5-10	3005948	60
DF-SP-H 2,5	3209824	320	EB 3-OTTA 2,5	3026078	473	FBP 2/22	3069893	536	FBS 5-4	3030145	166
DF-UP 4	3060348	320	EB 4-OTTA 6	3026049	474	FBP 2/23	3069894	536	FBS 5-4 BU	3030146	341
DF-UP 6	3060856	320	EB 5-OTTA 2,5	3026094	473	FBP 2/24	3069895	536	FBS 5-4 GY	3030147	341
DF-UPBV 2,5/4	3060432	320	EB 4-8	0202142	143	FBP 2/25	3069896	536	FBS 5-5	3030190	30
DFS-CP 2,5-4L	3012321	266	EB 4-OTTA 2,5	3026081	473	FBP 2/26	3069875	536	FBS 5-5 BU	3036903	341
DFS-CP-H 2,5-4L	3012317	266	EB 7-OTTA 6	3026052	474	FBP 2/5	3069876	536	FBS 5-5 GY	3038998	341
DFS-SP-H 2,5	3061431	319	EB 10-5	1401132	470	FBP 2/6	3069877	536	FBS 5-6	3030349	40
DFS-SPB 2,5	3061444	319	EB 6-OTTA 2,5	3026104	473	FBP 2/7	3069878	536	FBS 5-6 BU	3036961	341
DFS-SPDB 2,5	3061457	319	EB 7-OTTA 2,5	3026117	473	FBP 2/8	3069879	536	FBS 5-6 GY	3032266	341
DG-MTTB 1,5	3002678	465	EB 10-10	0203137	363	FBP 2/9	3069880	536	FBS 5-8	3030310	52
DG-UJK 3/5	2770817	390	EB 10-12	3006137	363	FBP 2/A14	3069500	543	FBS 5-8 BU	3032596	341
DIK 1,5	2715966	382	EB 10-6	0201139	361	FBP 2/A7	3069497	541	FBS 5-8 GY	3032648	341
DIK 1,5 BU	2716059	382	EB 10-8	0202138	143	FBP 2/B14	3069501	543	FBS 6-8	3032470	340
DIK 1,5-LA 24GN/O-M	2715762	384	EB 10-OTTA 6	0790420	474	FBP 2/B19	3069503	545	FBS 6-8 BU	3032677	341
DIK 1,5-LA 24GN/U-O	2715733	384	EB 10-10	0203137	363	FBP 2/B7	3069498	541	FBS 6-8 GY	3032664	341
DIK 1,5-LA 24RD/O-M	2715856	384	EB 10-12	3006137	363	FBP 2/C14	3069502	543	FBS 1,5/S-PV	3216263	86
DIK 1,5-LA 24RD/U-O	2715995	384	EB 10-15 K/UK 35	0205096	445	FBP 2/C19	3069504	545	FBS 10-3,5	3213056	341
DIKD 1,5	2715979	383	EB 10-OTTA 2,5	3026120	473	FBP 2/D19	3069671	545	FBS 10-3,5 BU	3213125	341
DIKD 1,5 BU	2716101	383	EB 2-20/PT	3260067	154	FBP 2/E7	3069499	541	FBS 10-3,5 GY	3213196	341
DIKD 1,5-2D	2716512	383	EB 2-31/PT	3215057	158	FBP 2/F19	3069675	547	FBS 10-4	3030158	166
DIKD 1,5-LA 24GN/O-M	2716376	385	EB 3-20/PT	3260068	154	FBP 2/G19	3069676	547	FBS 10-4 BU	3038851	341
DIKD 1,5-LA 24GN/U-O	2716402	385	EB 3-31/PT	3215058	158	FBP 2/H19	3069677	547	FBS 10-4 GY	3030160	341
DIKD 1,5-LA 24RD/O-M	2715814	385	EB 36-27	3009341	408	FBP 2/I19	3069678	549	FBS 10-5	3030213	30
DIKD 1,5-LA 24RD/U-O	2716279	385	EB 36-27/L1-L2-L3	3009354	408	FBRI 2-5 N	3000227	169	FBS 10-5 BU	3036916	341
DIKD 1,5-PV	2715092	383	EB 56-18	3009299	402	FBRI 3-5 N	3000201	169	FBS 10-5 GY	3039007	341
DIKD 1,5-PV BK	2715571	383	EB 56-18/L1-L2-L3	3009367	402	FBRI 4-5 N	3000191	372	FBS 10-6	3030271	40
DIKD 1,5-PV BU	2715584	383	EB 80- DIK BU	2715940	382	FBRI 10-5 N	2770642	169	FBS 10-6 BU	3032198	341
DIKD 1,5-TG	2774237	385	EB 80- DIK RD	2715953	382	FBRI 10-8 N	2772080	198	FBS 10-6 GY	3032253	341
DLK 2,5-PE	3011041	391	EB 80- DIK BU	2715940	382	FBRN 10-4 N	3001624	360	FBS 10-8	3030323	52
DLK 4-PE	3011999	391	EB 80- DIK RD	2715940	382	FBRN 2-5 N	3000175	374	FBS 10-8 BU	3032606	341
DLKB 2,5-PE	3011038	391	EB 80- DIK WH	2715788	382	FBRN 3-5 N	3000162	374	FBS 10-8 GY	3032651	341
DOK 1,5	2717016	386	EBL 2-5	2303145	368	FBRI 4-5 N	3000159	374	FBS 2-3,5	3213014	86
DOK 1,5-2D	2717139	387	EBL 3-5	2303158	368	FBRI 10-5 N	2770639	374	FBS 2-3,5 BU	3213086	341
DOK 1,5-LA 24GN/O-M	2717074	386	EBL 10-5	2303132	361	FBRI 10-6 N	2770626	421	FBS 2-3,5 GY	3213153	341
DOK 1,5-LA 24RD/O-M	2717029	386				FBS 1/2/4-6	3030376	56	FBS 20-3,5	3213069	86

Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
FBS 20-3,5 BU	3213138	341	FTMC 1,5/7-2 -DF	3001990	106	FTP-2/B14	3069475	543	FUSE 10,3X38 16A PV	3061350	405
FBS 20-3,5 GY	3213206	341	FTMC 1,5/7-2-NS	3001973	106	FTP-2/B19	3069477	545	FUSE 10,3X38 20A PV	3061363	405
FBS 20-4	3030352	166	FTMC 1,5/7-3 -DF	3001981	106	FTP-2/B7	3069471	541	FUSE 10,3X38 2A PV	3061295	405
FBS 20-4 BU	3030353	341	FTMC 1,5/7-3-NS	3001963	106	FTP-2/C14	3069476	543	FUSE 10,3X38 4A PV	3061305	405
FBS 20-4 GY	3030354	341	FTMC 1,5/8-2 -DF	3001991	106	FTP-2/C19	3069478	545	FUSE 10,3X38 6A PV	3061318	405
FBS 20-5	3030226	30	FTMC 1,5/8-2-NS	3001974	106	FTP-2/D19	3069479	545	FUSE 10,3X38 8A PV	3061321	405
FBS 20-5 BU	3036929	341	FTMC 1,5/8-3 -DF	3001982	106	FTP-2/E7	3069472	541	FUSE 10,3X85 10A PV	3062770	407
FBS 20-5 GY	3038671	341	FTMC 1,5/8-3-NS	3001964	106	FTP-2/F19	3069480	547	FUSE 10,3X85 12A PV	3062771	407
FBS 20-6	3030365	40	FTMC 1,5-2 /BK	3270454	99	FTP-2/G19	3069481	547	FUSE 10,3X85 16A PV	3062772	407
FBS 20-6 BU	3032208	341	FTMC 1,5-2 /BN	3270453	99	FTP-2/H19	3069482	547	FUSE 10,3X85 20A PV	3062773	407
FBS 3-3,5	3213027	86	FTMC 1,5-2 /BU	3270450	99	FTP-2/I19	3069483	549	FUSE 10,3X85 25A PV	3062774	407
FBS 3-3,5 BU	3213099	341	FTMC 1,5-2 /GN	3270452	99	FTPR-2/10	3001688	534	FUSE 10,3X85 2A PV	3062766	407
FBS 3-3,5 GY	3213167	341	FTMC 1,5-2 /GY	3270342	99	FTPR-2/11	3001689	534	FUSE 10,3X85 4A PV	3062767	407
FBS 4-3,5	3213030	86	FTMC 1,5-2 /OG	3270456	99	FTPR-2/12	3001690	534	FUSE 10,3X85 6A PV	3062768	407
FBS 4-3,5 BU	3213109	341	FTMC 1,5-2 /PK	3270458	99	FTPR-2/13	3001691	534	FUSE 10,3X85 8A PV	3062769	407
FBS 4-3,5 GY	3213180	341	FTMC 1,5-2 /RD	3270451	99	FTPR-2/14	3001692	534	FWP 12+1	3069307	565
FBS 5-3,5	3213043	86	FTMC 1,5-2 /VT	3270455	99	FTPR-2/15	3001693	534	FWP 3+1	3069270	565
FBS 5-3,5 BU	3213112	341	FTMC 1,5-2 /WH	3270343	99	FTPR-2/16	3001694	534	FWP 4+1	3069271	565
FBS 5-3,5 GY	3213183	341	FTMC 1,5-2 /YE	3270457	99	FTPR-2/17	3001696	534	FWP 5+1	3069272	565
FBS 50-3,5	3000706	340	FTMC 1,5-3 /BK	3270444	99	FTPR-2/18	3001697	534	FWP 6+1	3069284	565
FBS 50-3,5 BU	3000708	341	FTMC 1,5-3 /BN	3270443	99	FTPR-2/19	3001698	534	FWP 8+1	3069297	565
FBS 50-3,5 GY	3000707	341	FTMC 1,5-3 /BU	3270440	99	FTPR-2/20	3001699	534			
FBS 50-5	3038930	340	FTMC 1,5-3 /GN	3270442	99	FTPR-2/21	3001700	534			
FBS 50-5 BU	3032114	341	FTMC 1,5-3 /GY	3270340	99	FTPR-2/22	3001701	534			
FBS 50-5 GY	3032127	341	FTMC 1,5-3 /OG	3270446	99	FTPR-2/23	3001702	534			
FBS 50-6	3032224	340	FTMC 1,5-3 /PK	3270448	99	FTPR-2/24	3001703	534			
FBS 50-6 BU	3032211	341	FTMC 1,5-3 /RD	3270441	99	FTPR-2/25	3001704	534			
FBS-PV	3032185	341	FTMC 1,5-3 /VT	3270445	99	FTPR-2/4	3001681	534			
FBS-PV PT 2,5-4L	3012318	341	FTMC 1,5-3 /WH	3270341	99	FTPR-2/5	3001683	534	G 5/2	2716020	499
FBS-PV UT	3047358	341	FTMC 1,5-3 /YE	3270447	99	FTPR-2/6	3001684	534	G 5/2 B	2716305	499
FBSC	3012325	340	FTMC 1,5/32-2	3270354	102	FTPR-2/7	3001685	534	G 5/3	2716033	499
FBRSR 2-5	3033702	30	FTMC 1,5/32-2 /BU	3270355	102	FTPR-2/8	3001686	534	G 5/4	2716046	499
FBRSR 2-6	3033715	40	FTMC 1,5/32-2H /BU 19Z	3270357	105	FTPR-2/9	3001687	534	G 5/6	2716062	499
FBRSR 2-8	3033808	52	FTMC 1,5/32-2H 19Z	3270356	105	FTPR-2/A14	3069487	543	G 5/12	2716127	499
FBRSR 3-8	3001597	52	FTMC 1,5/32-3	3270350	100	FTPR-2/A7	3069484	541	G 10/2	2716703	499
FBRSR 5-8	3033809	52	FTMC 1,5/32-3 /BU	3270352	100	FTPR-2/B14	3069488	543	G 10/3	2716716	499
FBRSR 10-5	3033710	30	FTMC 1,5/32-3 /BU 19Z	3270353	104	FTPR-2/B19	3069490	545	G 10/4	2716729	499
FBRSR 10-6	3033716	40	FTMC 1,5/32-3 19Z	3270351	104	FTPR-2/B7	3069485	541	G 10/5	2716732	499
FBRSR 10-8	3001599	52	FTMC 1,5/48-3	3270358	101	FTPR-2/C14	3069489	543	GBS 5-25X12	0810588	353
FBRSR 16-8	3033816	52	FTMC 1,5/48-3 /BU	3270360	101	FTPR-2/C19	3069491	545	GBS 5-25X5	0829126	353
FBRSR 3-5	3001591	30	FTMC 1,5/48-3 /BU 19Z	3270361	105	FTPR-2/D19	3069492	545	GBS-ZB/26X6	0809298	353
FBRSR 3-6	3001594	40	FTMC 1,5/48-3 19Z	3270359	105	FTPR-2/E7	3069486	541	GE 10/2	3071049	500
FBRSR 4-5	3001592	30	FTMC 1,5/80-2	3270368	103	FTPR-2/F19	3069493	547	GE 10/2 BU	3071052	500
FBRSR 4-6	3001595	40	FTMC 1,5/80-2 /BU	3270369	103	FTPR-2/G19	3069494	547	GE 10/2-B	2701572	500
FBRSR 4-8	3000585	52	FTMC 1,5/80-3	3270364	101	FTPR-2/H19	3069495	547	GE 10/2-B BU	2701573	500
FBRSR 5-5	3001593	30	FTMC 1,5/80-3 /BU	3270366	101	FTPR-2/I19	3069496	549	GE 35/1	3071082	501
FBRSR 5-6	3001596	40	FTMC 1,5/80-3 /BU 19Z	3270367	105	FTRV 4 /COL-COL	3001883	96	GE 35/1 BU	3071095	501
FBRSRH 2-8	3033802	343	FTMC 1,5/80-3 19Z	3270365	105	FTRV 4 /COL-RD	3001760	96	GE 35/2	3071065	501
FBRSRH 3-8	3033803	343	FTP 12+1	3069255	565	FTRV 4 /COL-WH	3001880	96	GE 35/2 BU	3071078	501
FBRSRH 4-8	3033804	343	FTP 3+1	3069222	565	FTRV 4 /RD	3270175	92	GE 35/2-B	2701569	501
FBST 500-PLC GY	2966838	93	FTP 4+1	3069223	565	FTRV 4 /RD-COL	3001881	96	GE 35/2-B BU	2701570	501
FBST 500-PLC RD	2966786	93	FTP 5+1	3069241	565	FTRV 4 /WH	3270169	92	GS-GSK/S	0305116	421
FC 4-PCB/10	3208736	246	FTP 6+1	3069239	565	FTRV 4 /WH-COL	3001882	96	GTF 76/ 48	3121025	437
FC 4-PCB/8	3208694	246	FTP 8+1	3069242	565	FTRV 4 BU/BU	3270172	92	GTF 76/230	3121012	437
FTMC 1,5/1-2 -DF	3001984	106	FTP-2/1	3069469	536	FTRV 4 BU/RD	3270174	92			
FTMC 1,5/1-2-NS	3001965	106	FTP-2/10	3001712	534	FTRV 4 BU/WH	3270173	92			
FTMC 1,5/1-3 -DF	3001975	106	FTP-2/11	3001713	534	FTRV 4-FE /BKYE	3270185	93			
FTMC 1,5/1-3-NS	3001957	106	FTP-2/12	3001714	534	FTRV 4-FE /YEBK	3270184	93			
FTMC 1,5/2-2 -DF	3001985	106	FTP-2/13	3001715	534	FTRV 4-PV /BK	3270178	93			
FTMC 1,5/2-2-NS	3001966	106	FTP-2/14	3001716	534	FTRV 4-PV BU/BK	3270181	93			
FTMC 1,5/2-3 -DF	3001976	106	FTP-2/15	3001717	534	FTRV 8 /COL-COL	3001888	96	HC-RBO 10	3247970	483
FTMC 1,5/2-3-NS	3001958	106	FTP-2/16	3001719	534	FTRV 8 /COL-RDWH	3001852	96	HC-RBO 10 BU	3247972	483
FTMC 1,5/3-2 -DF	3001986	106	FTP-2/17	3001720	534	FTRV 8 /COL-WHRD	3001884	96	HC-RBO 10-FE	3247971	483
FTMC 1,5/3-2-NS	3001968	106	FTP-2/18	3001722	534	FTRV 8 /RDWH	3270193	94	HC-RBO 12	3247983	483
FTMC 1,5/3-3 -DF	3001977	106	FTP-2/19	3001723	534	FTRV 8 /RDWH-COL	3001885	96	HC-RBO 12 BU	3247985	483
FTMC 1,5/3-3-NS	3001959	106	FTP-2/20	3001724	534	FTRV 8 /WHRD	3270187	94	HC-RBO 12-FE	3247984	483
FTMC 1,5/4-2 -DF	3001987	106	FTP-2/21	3001725	534	FTRV 8 /WHRD-COL	3001887	96	HC-RBO 16	3247996	483
FTMC 1,5/4-2-NS	3001969	106	FTP-2/22	3001726	534	FTRV 8 BU/BU	3270190	94	HC-RBO 16 BU	3247998	483
FTMC 1,5/4-3 -DF	3001978	106	FTP-2/23	3001727	534	FTRV 8 BU/RDWH	3270192	94	HC-RBO 16-FE	3247997	483
FTMC 1,5/4-3-NS	3001960	106	FTP-2/24	3001728	534	FTRV 8 BU/WHRD	3270191	94	HC-RBO 8	3247967	482
FTMC 1,5/48-2	3270362	103	FTP-2/25	3001729	534	FTRV 8-FE /BKYE	3270204	95	HC-RBO 8 BU	3247969	482
FTMC 1,5/48-2 /BU	3270363	103	FTP-2/4	3001706	534	FTRV 8-FE /YEBK	3270202	95	HC-RBO 8-FE	3247968	482
FTMC 1,5/5-2 -DF	3001988	106	FTP-2/4 SERVICE	3069468	536	FTRV 8-PV /BK	3270194	95	HV M10/1	3049408	493
FTMC 1,5/5-2-NS	3001971	106	FTP-2/5	3001707	534	FTRV 8-PV BU/BK	3270196	95	HV M10/1 M6/1-STL2	3071081	491
FTMC 1,5/5-3 -DF	3001979	106	FTP-2/6	3001708	534	FTRVB 4-FI	3270208	93	HV M10/1-AP	3049495	491
FTMC 1,5/5-3-NS	3001961	106	FTP-2/7	3001709	534	FTRVB 4-PV	3270207	93	HV M10/1-VS 2	3049466	491
FTMC 1,5/6-2 -DF	3001989	106	FTP-2/8	3001710	534	FTRVB 8-FI	3270210	95	HV M10/1-VS 3	3049479	491
FTMC 1,5/6-2-NS	3001972	106	FTP-2/9	3001711	534	FTRVB 8-PV	3270209	95	HV M10/2	3049563	491
FTMC 1,5/6-3 -DF	3001980	106	FTP-2/A14	3069474	543	FUSE 10,3X38 10A PV	3061334	405	HV M12/1	3049505	493
FTMC 1,5/6-3-NS	3001962	106	FTP-2/A7	3069470	541	FUSE 10,3X38 12A PV	3061347	405	HV M12/1-TP	3049602	492

G

H

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
HV M12/1-VS 2	3049631	493	MPT 1,5/S	3248100	109				PC-UTWE-TRI	3069897	537
HV M12/1-VS 3	3049644	493	MPT 1,5/S BU	3248101	109				PDZ/2	3040562	312
HV M12/2-TP	3049709	491	MPT 1,5/S-PE	3248110	109				PDZ/4	3040575	312
HV M5/1	3049107	492	MPT 1,5/S/1P	3248115	256				PH 1,5/S/10	3212824	316
HV M5/1-AP	3049806	492	MPT 1,5/S/1P BU	3248116	256				PH 1,5/S/11	3212837	316
HV M5/1-VS 2	3049437	492	MPT 1,5/S/1P-PE	3248117	256	NLS-CU 3/10 SN 1000MM	0402174	447	PH 1,5/S/12	3212840	316
HV M5/1-VS 3	3049440	492	MPT 2,5	3248125	131	NLS-CU 6/ 6 SN 1000MM	0402161	521	PH 1,5/S/13	3212853	316
HV M6/1	3049204	492	MPT 2,5 BU	3248126	131				PH 1,5/S/14	3212866	316
HV M6/1-AP	3049903	491	MPT 2,5-PE	3248130	131				PH 1,5/S/15	3212879	316
HV M6/1-VS 2	3049262	491	MSB 2,5	3244012	182				PH 1,5/S/3	3212756	316
HV M6/1-VS 3	3049275	491	MSB 2,5 BU	3244025	182				PH 1,5/S/4	3212769	316
HV M6/2	3049547	491	MSB 2,5-F	3244041	183				PH 1,5/S/5	3212772	316
HV M8/1	3049301	493	MSB 2,5-F BU	3244054	183				PH 1,5/S/6	3212785	316
HV M8/1 M6/1-STL	3071094	491	MSB 2,5-M	3244067	183	OTTA 2,5	0790530	473	PH 1,5/S/7	3212798	316
HV M8/1-AP	3049398	491	MSB 2,5-M BU	3244070	183	OTTA 2,5-P/P	0790543	473	PH 1,5/S/8	3212808	316
HV M8/1-VS 2	3049369	491	MSB 2,5-NS 35	3244119	182	OTTA 2,5-PE	0790556	473	PH 1,5/S/9	3212811	316
HV M8/1-VS 3	3049372	491	MSB 2,5-NS 35 BU	3244122	182	OTTA 6-P/P	0790404	474	PH 2,5/ 2	3209691	317
HV M8/2	3049550	491	MSB 2,5-NS 35-PE	3244148	182	OTTA 6-PE	0790527	475	PH 2,5/ 3	3209701	317
			MSB 2,5-PE	3244151	182	OTTA 6-T	0790446	476	PH 2,5/ 4	3209714	317
			MSB 2,5-RZ	3244164	184	OTTA 6-T-P/P	0790462	477	PH 2,5/ 5	3209727	317
			MSB 2,5-RZ BU	3244177	184	OTTA 25-M5	0790488	475	PH 2,5/ 6	3209730	317
			MSBV 2,5	3249017	184	OTTA 25-M6	0790491	475	PH 2,5/ 7	3209743	317
			MSBV 2,5 BU	3249020	184	OTTA 6-T/SB-P/P	3001269	477	PH 2,5/ 8	3209756	317
			MSBV 2,5-M	3249062	185				PH 2,5/ 9	3209507	317
									PH 2,5/10	3209769	317
IS-K 4	1302338	361	MSBV 2,5-M BU	3249075	185				PH 2,5/11	3209772	317
IS-K 10	1303337	362	MSBV 2,5-NS 35	3249088	185				PH 2,5/12	3209785	317
ISH 1,5/0,2	3206131	166	MSBV 2,5-NS 35 BU	3249091	185				PH 2,5/13	3209798	317
ISH 1,5/0,5	3031034	166	MSDB 2,5	3244216	182						
ISH 2,5/0,2	3002843	110	MSDB 2,5 BU	3244229	182	P-CO	3036796	351	PH 2,5/14	3209808	317
ISH 2,5/0,5	3002856	110	MSDB 2,5-F	3244232	183	P-CO 1N4007/L-R	3032460	351	PH 2,5/15	3209811	317
ISH 2,5/1,0	3002869	110	MSDB 2,5-F BU	3244245	183	P-CO 1N4007/R-L	3032457	351	PH 4/10	3000743	317
ISH 4/0,5	3002885	132	MSDB 2,5-M	3244258	183	P-DI	3036783	350	PH 4/2	3000734	317
ISH 4/1,0	3002898	132	MSDB 2,5-M BU	3244261	183	P-FIX	3038956	351	PH 4/3	3000736	317
ISSBI 10- 6	0301505	361	MSDB 2,5-NS 35	3244300	182	P-FU 5X20	3036806	349	PH 4/4	3000737	317
ISSBI 10- 8	0301534	362	MSDB 2,5-NS 35 BU	3244313	182	P-FU 5X20 LA 250	3036835	349	PH 4/5	3000738	317
ISSBI 10-10	0301521	376	MSDB 2,5-FZ	3244339	184	P-FU 5X20 LA 250-EX	3036836	345	PH 4/6	3000739	317
			MSDB 2,5-FZ BU	3244342	184	P-FU 5X20 LED 24	3036819	349	PH 4/7	3000740	317
			MSDBV 2,5	3249143	184	P-FU 5X20 LED 24-5	3209248	349	PH 4/8	3000741	317
			MSDBV 2,5 BU	3249156	184	P-FU 5X20 LED 24-EX	3036821	45	PH 4/9	3000742	317
			MSDBV 2,5-M	3249198	185	P-FU 5X20 LED 250-5	3209264	349	PH 6/2	3000680	317
			MSDBV 2,5-M BU	3249208	185	P-FU 5X20 LED 60	3036822	349	PH 6/3	3000681	317
			MSDBV 2,5-NS 35	3249211	185	P-FU 5X20 LED 60-5	3209251	349	PH 6/4	3000682	317
			MSDBV 2,5-NS 35 BU	3249224	185	P-FU 5X20 LED 60-EX	3036823	45	PH 6/5	3000683	317
			MSLKG 6	1410505	469	P-FU 5X20-5	3209235	349	PH 6/6	3000684	317
			MT 1,5	3100305	463	P-FU 5X20-EX	3036807	45	PH 6/7	3000685	317
			MT 1,5 BU	3003363	463	P-FU 6,3X32	3046498	349	PP-H 1,5/S/1	3212484	260
			MT 1,5-PE	3100318	466	P-FU 6,3X32 LA 250	3046524	349	PP-H 1,5/S/1 BU	3212497	260
			MT 1,5-QUATTRO	3001679	464	P-FU 6,3X32 LA 250-EX	3046525	54	PP-H 1,5/S/1 GNYE	3212507	260
			MT 1,5-QUATTRO BU	3025150	464	P-FU 6,3X32 LED 24	3046508	349	PP-H 1,5/S/1-L	3212659	261
			MT 1,5-QUATTRO-PE	3001695	467	P-FU 6,3X32 LED 24-EX	3046509	54	PP-H 1,5/S/1-L BU	3212662	261
			MT 1,5-TWIN	3001682	464	P-FU 6,3X32 LED 60	3046511	349	PP-H 1,5/S/1-L GNYE	3212675	261
			MT 1,5-TWIN BU	3025532	464	P-FU 6,3X32 LED 60-EX	3046512	54	PP-H 1,5/S/1-M	3212688	261
			MT 1,5-TWIN-PE	3001705	467	P-FU 6,3X32-EX	3046499	54	PP-H 1,5/S/1-M BU	3212691	261
			MTK	3101016	416	PAI-4	3030925	347	PP-H 1,5/S/1-M GNYE	3212701	261
			MTK BU	3101197	416	PAI-4-FIX BK	3032774	347	PP-H 1,5/S/1-R	3212714	261
			MTK-P/P	3104013	416	PAI-4-FIX BN	3032787	347	PP-H 1,5/S/1-R BU	3212727	261
			MTK-P/P BU	3104097	416	PAI-4-FIX BU	3032729	347	PP-H 1,5/S/1-R GNYE	3212730	261
			MTKD	3100017	417	PAI-4-FIX GN	3032758	347	PP-H 1,5/S/10	3212594	260
			MTKD-CU/CUNI	3100059	436	PAI-4-FIX GY	3032790	347	PP-H 1,5/S/11	3212604	260
			MTKD-E-CU/A-CU	3100091	436	PAI-4-FIX OG	3034455	347	PP-H 1,5/S/12	3212617	260
			MTKD-FE/CUNI	3100046	436	PAI-4-FIX RD	3032732	347	PP-H 1,5/S/13	3212620	260
			MTKD-NICR/CUNI	3100075	436	PAI-4-FIX VT	3032761	347	PP-H 1,5/S/14	3212633	260
			MTKD-NICR/NI	3100062	436	PAI-4-FIX YE	3032745	347	PP-H 1,5/S/15	3212646	260
			MTKD-NICRSI/NISI	5043321	436	PAI-4-FIX-5/6 BK	3035980	49	PP-H 1,5/S/2	3212510	260
			MTKD-P/P	3100020	417	PAI-4-FIX-5/6 BN	3035981	49	PP-H 1,5/S/3	3212523	260
			MTKD-S-CU/E-CU	3100101	436	PAI-4-FIX-5/6 RD	3035975	49	PP-H 1,5/S/4	3212536	260
			MTTB 1,5	1414129	465	PAI-4-FIX-5/6 GN	3035978	49	PP-H 1,5/S/5	3212549	260
			MTTB 1,5 BU	3000926	465	PAI-4-FIX-5/6 GY	3035982	49	PP-H 1,5/S/6	3212552	260
			MUT 2,5	3248030	39	PAI-4-FIX-5/6 OG	3035974	49	PP-H 1,5/S/7	3212565	260
			MUT 2,5 BU	3248031	39	PAI-4-FIX-5/6 RD	3035976	49	PP-H 1,5/S/8	3212578	260
			MUT 2,5-PE	3248032	39	PAI-4-FIX-5/6 VT	3035979	49	PP-H 1,5/S/9	3212581	260
			MUT 4	3248035	51	PAI-4-FIX-5/6 YE	3035977	49	PP-H 2,5/ 1	3209866	268
			MUT 4 BU	3248036	51	PAI-4-N GY	3032871	30	PP-H 2,5/ 1 BU	3210017	268
			MUT 4-PE	3248037	51	PAI-ST 35/1000MM	3029994	152	PP-H 2,5/ 1 GNYE	3210020	268
			MZFKK 1,5	3029813	169	PAIS-4-FIX BK	3032792	348	PP-H 2,5/ 2	3209879	268
			MZFKK 1,5-PV	3029826	169	PAIS-4-FIX GY	3032791	348	PP-H 2,5/ 3	3209882	268
			MZFKKB 1,5	3005714	169	PAIS-4-FIX RD	3032793	348	PP-H 2,5/ 4	3209895	268
						PC	3040588	234	PP-H 2,5/ 5	3209905	268
						PC-CT 6/2	3212308	244	PP-H 2,5/ 6	3209918	268
						PC-FTP-TRI	3069898	537	PP-H 2,5/ 7	3209921	268

# Index

## Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
PP-H 2,5/8	3209934	268	PPC 1,5/S/14	3213506	258	PSBJ 6-T BU	3070329	507	PT 10	3212120	147
PP-H 2,5/9	3209947	268	PPC 1,5/S/15	3213519	258	PSBJ 6-T GN	3070327	507	PT 10 BU	3212123	147
PP-H 2,5/1-L	3210062	269	PPC 6-NS/1-L	3000689	279	PSBJ 6-T GY	3070316	507	PT 10,3-HESI 1000V	3062142	147
PP-H 2,5/1-L BU	3210075	269	PPC 6/1-L	3000690	278	PSBJ 6-T OG	3070320	143	PT 10,3-HESILED 1000V	3062143	147
PP-H 2,5/1-L GNYE	3210088	269	PPC 6/1-L BU	3000691	278	PSBJ 6-T RD	3070319	507	PT 10-PE	3212131	147
PP-H 2,5/1-M	3210091	269	PPC 6/1-L GNYE	3000692	278	PSBJ 6-T VT	3070328	507	PT 10-TWIN	3208746	147
PP-H 2,5/1-M BU	3210101	269	PPC 6/10	3000702	278	PSBJ 6-T WH	3070324	507	PT 10-TWIN BU	3208747	147
PP-H 2,5/1-M GNYE	3210114	269	PPC 6/2	3000693	278	PSBJ 6-T YE	3070326	507	PT 10-TWIN-PE	3208745	147
PP-H 2,5/1-R	3210127	269	PPC 6/3	3000694	278	PSBJ-GSK/S BK	0305381	421	PT 16 N	3212138	149
PP-H 2,5/1-R BU	3210130	269	PPC 6/4	3000695	278	PSBJ-GSK/S BU	0305386	421	PT 16 N BU	3212142	149
PP-H 2,5/1-R GNYE	3210143	269	PPC 6/5	3000697	278	PSBJ-GSK/S FARBLOS	0305394	421	PT 16 N-PE	3212147	149
PP-H 2,5/10	3209950	268	PPC 6/6	3000698	278	PSBJ-GSK/S GN	0305352	421	PT 16-TWIN N	3208760	149
PP-H 2,5/11	3209963	268	PPC 6/7	3000699	278	PSBJ-GSK/S GY	0305378	421	PT 16-TWIN N BU	3208773	149
PP-H 2,5/12	3209976	268	PPC 6/8	3000700	278	PSBJ-GSK/S RD	0305323	421	PT 16-TWIN N-PE	3208786	149
PP-H 2,5/13	3209989	268	PPC 6/9	3000701	278	PSBJ-GSK/S VT	0305365	421	PT 2,5	3209510	111
PP-H 2,5/14	3209992	268	PPCT 6/2	3212304	276	PSBJ-GSK/S WH	0305310	421	PT 2,5 BU	3209523	111
PP-H 2,5/15	3210004	268	PPCT 6/3	3212305	276	PSBJ-GSK/S YE	0305349	421	PT 2,5-3L	3210499	112
PP-H 4/ 1	3210120	273	PR	3040559	313	PSBJ-GSK/S-N BU	3032894	506	PT 2,5-3L BU	3210509	112
PP-H 4/ 1 BU	3210277	273	PR 1,5/S	3212882	313	PSBJ-GSK/S-N GN	3032892	506	PT 2,5-3PE	3210525	112
PP-H 4/ 1 GNYE	3212088	273	PR 1,5/S/2	3212895	313	PSBJ-GSK/S-N OG	3032890	506	PT 2,5-3PV	3210512	112
PP-H 4/ 1-L	3211948	273	PR/2	3040630	313	PSBJ-GSK/S-N VT	3032893	506	PT 2,5-4L/1P	3012300	266
PP-H 4/ 1-L BU	3212010	273	PRT/2	3040631	313	PSBJ-GSK/S-N YE	3032891	506	PT 2,5-4L/1P-FS	3012302	266
PP-H 4/ 1-L GNYE	3211958	273	PRV/2	3041862	313	PSBJ-URTK 6 BK	3026447	505	PT 2,5-4L/2P	3012310	266
PP-H 4/ 1-M	3211965	273	PRZ	3040614	313	PSBJ-URTK 6 BN	3026971	505	PT 2,5-DIO/L-R	3210224	121
PP-H 4/ 1-M BU	3211964	273	PRZ 1,5/S	3212905	313	PSBJ-URTK 6 BU	3026434	505	PT 2,5-DIO/R-L	3210237	121
PP-H 4/ 1-M GNYE	3211971	273	PS 6-CT-SD	3246857	431	PSBJ-URTK 6 FARBLOS	3026450	505	PT 2,5-HEXA/3P	3040044	263
PP-H 4/ 1-R	3211977	273	PS 6-DI-SD	3246856	431	PSBJ-URTK 6 GN	3026418	505	PT 2,5-HEXA/3P BU	3040048	263
PP-H 4/ 1-R BU	3211980	273	PS 6-VT-SD	3246858	431	PSBJ-URTK 6 GY	3026612	505	PT 2,5-HEXA/3P-PE	3040052	263
PP-H 4/ 1-R GNYE	3211987	273	PS-4	3030970	166	PSBJ-URTK 6 RD	3026719	505	PT 2,5-MT	3210156	117
PP-H 4/ 2	3212016	273	PS-4/E	3036709	346	PSBJ-URTK 6 VT	3026421	505	PT 2,5-MT BU	3211650	117
PP-H 4/ 3	3212022	273	PS-5	3030983	30	PSBJ-URTK 6 YE	3026405	505	PT 2,5-MTB	3210157	117
PP-H 4/ 4	3212029	273	PS-5/2,3MM RD	3038723	346	PSBJ-URTK/S BK	0311728	505	PT 2,5-MTB BU	3210163	117
PP-H 4/ 5	3212035	273	PS-6	3030996	40	PSBJ-URTK/S BU	0311757	505	PT 2,5-PE	3209536	111
PP-H 4/ 6	3212041	273	PS-6/2,3MM RD	3038736	346	PSBJ-URTK/S GN	0311760	505	PT 2,5-PE/3L	3210542	113
PP-H 4/ 7	3212048	273	PS-7,5/2,3MM RD	3038749	509	PSBJ-URTK/S RD	0311744	505	PT 2,5-PE/3L/2P	3012316	266
PP-H 4/ 8	3212054	273	PS-8	3031005	52	PSBJ-URTK/S VT	0311773	505	PT 2,5-PE/L/L	3210541	113
PP-H 4/ 9	3212061	273	PS-8/2,3MM RD	3048564	346	PSBJ-URTK/S YE	0311731	505	PT 2,5-PE/L/N	3210538	113
PP-H 4/10	3212067	273	PS-IH BK	0311634	509	PSH 3-6	3040591	314	PT 2,5-QUATTRO	3209578	111
PP-H 4/11	3212074	273	PS-IH BU	0311582	509	PSH 3-6 500MM	3061525	314	PT 2,5-QUATTRO BU	3209581	111
PP-H 4/12	3212080	273	PS-IH GN	0311605	509	PSH 5-10	3040601	314	PT 2,5-QUATTRO-DIO/L-R	3210266	121
PP-H 4/13	3212087	273	PS-IH GY	0311621	509	PT 1,5/S	3208100	87	PT 2,5-QUATTRO-DIO/R-L	3210279	121
PP-H 4/14	3212093	273	PS-IH RD	0311579	509	PT 1,5/S BU	3208126	87	PT 2,5-QUATTRO-MT	3210172	119
PP-H 4/15	3212100	273	PS-IH VT	0311618	509	PT 1,5/S-3L	3213713	88	PT 2,5-QUATTRO-MT BU	3211676	119
PP-H 6/ 1	3061541	280	PS-IH WH	0311566	509	PT 1,5/S-3L BU	3213726	88	PT 2,5-QUATTRO-MTB	3210184	119
PP-H 6/ 1 BU	3061554	280	PS-IH YE	0311595	509	PT 1,5/S-3PE	3213739	88	PT 2,5-QUATTRO-MTB BU	3210191	119
PP-H 6/ 1 GNYE	3061567	280	PS-MT	0311647	509	PT 1,5/S-3PV	3213742	88	PT 2,5-QUATTRO-PE	3209594	111
PP-H 6/ 1-L	3061664	280	PS-UK 2,5 B/E	3001132	509	PT 1,5/S-MT	3210301	90	PT 2,5-QUATTRO-TG	3210208	115
PP-H 6/ 1-L BU	3061677	280	PS-UK 2,5 B/Z-5	3001226	509	PT 1,5/S-MT BU	3210302	90	PT 2,5-QUATTRO-TGB	3210194	115
PP-H 6/ 1-L GNYE	3061680	280	PS-UK 2,5 B/Z-6	3001239	509	PT 1,5/S-MTD	3210308	90	PT 2,5-QUATTRO/2P	3209662	263
PP-H 6/ 1-M	3061693	280	PS-UKK 3	3000638	509	PT 1,5/S-MTD BU	3210309	90	PT 2,5-QUATTRO/2P BU	3209675	263
PP-H 6/ 1-M BU	3061703	280	PS-UKK 5	3000625	509	PT 1,5/S-PE	3208139	87	PT 2,5-QUATTRO/2P-PE	3209688	263
PP-H 6/ 1-M GNYE	3061716	280	PS-UKK/E	3000641	509	PT 1,5/S-PE/L/L	3213768	88	PT 2,5-TG	3210185	113
PP-H 6/ 1-R	3061729	280	PSB 3/10/4	0601292	508	PT 1,5/S-PE/L/N	3213755	88	PT 2,5-TGB	3210192	113
PP-H 6/ 1-R BU	3061732	280	PSB 4/7/6	0303299	508	PT 1,5/S-QUATTRO	3208197	87	PT 2,5-TWIN	3209549	111
PP-H 6/ 1-R GNYE	3061745	280	PSB 6/5/6	0205290	508	PT 1,5/S-QUATTRO BU	3208208	87	PT 2,5-TWIN BU	3209552	111
PP-H 6/ 2	3061570	280	PSBJ 3,5/18/6 BK	0311388	504	PT 1,5/S-QUATTRO-MT	3210321	90	PT 2,5-TWIN-DIO/L-R	3210240	121
PP-H 6/ 3	3061583	280	PSBJ 3,5/18/6 BU	0311333	504	PT 1,5/S-QUATTRO-MT BU	3210322	90	PT 2,5-TWIN-DIO/R-L	3210253	121
PP-H 6/ 4	3061596	280	PSBJ 3,5/18/6 FARBLOS	0311391	504	PT 1,5/S-QUATTRO-MTD	3210328	90	PT 2,5-TWIN-MT	3210169	118
PP-H 6/ 5	3061606	280	PSBJ 3,5/18/6 GN	0311359	504	PT 1,5/S-QUATTRO-MTD BU	3210329	90	PT 2,5-TWIN-MT BU	3211663	118
PP-H 6/ 6	3061619	280	PSBJ 3,5/18/6 GY	0311375	504	PT 1,5/S-QUATTRO-PE	3208333	87	PT 2,5-TWIN-MTB	3210170	118
PP-H 6/ 7	3061622	280	PSBJ 3,5/18/6 RD	0311320	504	PT 1,5/S-QUATTRO-U	3208359	87	PT 2,5-TWIN-MTB BU	3210177	118
PP-H 6/ 8	3061635	280	PSBJ 3,5/18/6 VT	0311362	504	PT 1,5/S-QUATTRO/2P	3212390	255	PT 2,5-TWIN-PE	3209565	111
PP-H 6/ 9	3061648	280	PSBJ 3,5/18/6 WH	0311317	504	PT 1,5/S-QUATTRO/2P BU	3212400	255	PT 2,5-TWIN-TG	3210198	114
PP-H 6/10	3061651	280	PSBJ 3,5/18/6 YE	0311346	504	PT 1,5/S-QUATTRO/2P-PE	3212413	255	PT 2,5-TWIN-TGB	3210193	114
PPC 1,5/S-NS/1-L	3213700	259	PSBJ 3/13/4	0201304	504	PT 1,5/S-TWIN	3208155	87	PT 2,5-TWIN/1P	3209633	263
PPC 1,5/S/2	3213386	258	PSBJ 3/50/6 GY	0304898	505	PT 1,5/S-TWIN BU	3208168	87	PT 2,5-TWIN/1P BU	3209646	263
PPC 1,5/S/3	3213399	258	PSBJ 3/52/6 GY	0304885	505	PT 1,5/S-TWIN-MT	3210311	90	PT 2,5-TWIN/1P-PE	3209659	263
PPC 1,5/S/4	3213409	258	PSBJ 4/15/6 BK	0303406	504	PT 1,5/S-TWIN-MT BU	3210312	90	PT 2,5/1P	3210033	263
PPC 1,5/S/5	3213412	258	PSBJ 4/15/6 BU	0303354	504	PT 1,5/S-TWIN-MTD	3210317	90	PT 2,5/1P BU	3210046	263
PPC 1,5/S/6	3213425	258	PSBJ 4/15/6 FARBLOS	0303419	504	PT 1,5/S-TWIN-MTD BU	3210319	90	PT 2,5/1P-PE	3210059	263
PPC 1,5/S/7	3213438	258	PSBJ 4/15/6 GN	0303370	504	PT 1,5/S-TWIN-PE	3208171	87	PT 4	3211757	133
PPC 1,5/S/8	3213441	258	PSBJ 4/15/6 GY	0303396	504	PT 1,5/S-TWIN/1P	3212358	255	PT 4 BU	3211760	133
PPC 1,5/S/9	3213454	258	PSBJ 4/15/6 RD	0303325	504	PT 1,5/S-TWIN/1P BU	3212361	255	PT 4-FSI/F	3208943	135
PPC 1,5/S/1-L	3213357	258	PSBJ 4/15/6 VT	0303383	504	PT 1,5/S-TWIN/1P-PE	3212374	255	PT 4-FSI/F-LED 12	3208951	135
PPC 1,5/S/1-L BU	3213360	258	PSBJ 4/15/6 WH	0303312	504	PT 1,5/S/1P	3208582	255	PT 4-FSI/F-LED 24	3208964	135
PPC 1,5/S/1-L GNYE	3213373	258	PSBJ 4/15/6 YE	0303367	504	PT 1,5/S/1P BU	3208595	255	PT 4-HESI (5X20)	3211861	134
PPC 1,5/S/10	3213467	258	PSBJ 4/41/8 GY	3206186	505	PT 1,5/S/1P-PE	3212332	255	PT 4-HESILA 250 (5X20)	3211907	134
PPC 1,5/S/11	3213470	258	PSBJ 4/51/8 GY	3206173	505	PT 1,5/S/2P	3213784	256	PT 4-HESILED 24 (5X20)	3211903	134
PPC 1,5/S/12	3213483	258	PSBJ 6-T BK	3070318	507	PT 1,5/S/2P BU	3213797	256	PT 4-HESILED 60 (5X20)	3207908	134
PPC 1,5/S/13	3213496	258	PSBJ 6-T BN	3070317	507	PT					



Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
PT 4-PE	3211766	133	PTIO 1,5/S/3-LED 24 RD	3244423	89	PTMC 1,5/80-3 /BU 19Z	3270327	105	PTPOWER 95-FE	3260139	157
PT 4-PE/3L	3210442	134	PTIO 1,5/S/3-PE	3244449	89	PTMC 1,5/80-3 19Z	3270325	105	PTPOWER 95-FE-F	3260142	157
PT 4-QUATTRO	3211797	133	PTIO 1,5/S/4	3244452	89	PTME 4	3212139	136	PTPOWER 95-PE	3260106	157
PT 4-QUATTRO BU	3211802	133	PTIO 1,5/S/4-LED 24 GN	3244520	89	PTME 6	3212170	142	PTRE 6-2/10	3069855	533
PT 4-QUATTRO-DIO 1N 5408/L-R	3211919	137	PTIO 1,5/S/4-LED 24 RD	3244517	89	PTME 6 HV	3035696	142	PTRE 6-2/11	3069860	533
PT 4-QUATTRO-DIO 1N 5408/R-L	3211921	137	PTIO 1,5/S/4-PE	3244465	89	PTME 6 HV BU	3035695	142	PTRE 6-2/12	3069861	533
PT 4-QUATTRO-PE	3211809	133	PTIO-IN 2,5/3 OG	3244559	89	PTME 6-BE	3035687	144	PTRE 6-2/13	3069862	533
PT 4-TG	3211922	135	PTIO-IN 2,5/4-PE OG	3244481	89	PTME 6-CT/1P	3212300	276	PTRE 6-2/14	3069863	533
PT 4-TWIN	3211771	133	PTMC 1,5/1-2 -DF	3001937	106	PTME 6-DIO/L-R HV	3035697	144	PTRE 6-2/15	3069864	533
PT 4-TWIN BU	3211775	133	PTMC 1,5/1-2 -NS	3001915	106	PTME 6-DIO/R-L HV	3035698	144	PTRE 6-2/16	3069865	533
PT 4-TWIN-PE	3211780	133	PTMC 1,5/1-3 -DF	3001929	106	PTME 6/1P	3212306	275	PTRE 6-2/17	3069866	533
PT 4/1P	3211937	271	PTMC 1,5/1-3 -NS	3001905	106	PTMED 4	3212141	136	PTRE 6-2/18	3069867	533
PT 4/1P BU	3212007	271	PTMC 1,5/2-2 -DF	3001940	106	PTMED 4-PE	3212154	136	PTRE 6-2/19	3069868	533
PT 4/1P-PE	3211942	271	PTMC 1,5/2-2 -NS	3001916	106	PTMED 6	3212183	142	PTRE 6-2/20	3069869	533
PT 6	3211813	141	PTMC 1,5/2-3 -DF	3001930	106	PTMED 6-CT/1P	3212301	276	PTRE 6-2/21	3069870	533
PT 6 BU	3211819	141	PTMC 1,5/2-3 -NS	3001906	106	PTMED 6-CT/1P-PE	3212302	276	PTRE 6-2/22	3069871	533
PT 6-PE	3211822	141	PTMC 1,5/3-2 -DF	3001942	106	PTMED 6-PE	3212196	142	PTRE 6-2/23	3069872	533
PT 6-QUATTRO	3212934	141	PTMC 1,5/3-2 -NS	3001917	106	PTN 2,5	3213963	126	PTRE 6-2/24	3069873	533
PT 6-QUATTRO BU	3212947	141	PTMC 1,5/3-3 -DF	3001931	106	PTN 4	3213965	138	PTRE 6-2/25	3069874	533
PT 6-QUATTRO-PE	3212950	141	PTMC 1,5/3-3 -NS	3001907	106	PTN 6	3213967	145	PTRE 6-2/4	3069849	533
PT 6-QUATTRO/2P	3061826	275	PTMC 1,5/4-2 -DF	3001943	106	PTPOWER 150	3215000	159	PTRE 6-2/5	3069850	533
PT 6-QUATTRO/2P BU	3061839	275	PTMC 1,5/4-2 -NS	3001918	106	PTPOWER 150 BU	3215001	159	PTRE 6-2/6	3069851	533
PT 6-QUATTRO/2P-PE	3061842	275	PTMC 1,5/4-3 -DF	3001932	106	PTPOWER 150 F	3215030	159	PTRE 6-2/7	3069852	533
PT 6-TWIN	3211929	141	PTMC 1,5/4-3 -NS	3001908	106	PTPOWER 150 F BU	3215031	159	PTRE 6-2/8	3069853	533
PT 6-TWIN BU	3211485	141	PTMC 1,5/5-2 -DF	3001944	106	PTPOWER 150 P	3215003	159	PTRE 6-2/9	3069854	533
PT 6-TWIN-PE	3211498	141	PTMC 1,5/5-2 -NS	3001919	106	PTPOWER 150 P BU	3215004	159	PTRE 6-2/A14	3069452	542
PT 6/1P	3061758	275	PTMC 1,5/5-3 -DF	3001933	106	PTPOWER 150-3L	3215005	159	PTRE 6-2/A7	3069449	540
PT 6/1P BU	3061761	275	PTMC 1,5/5-3 -NS	3001910	106	PTPOWER 150-3L-F	3215033	159	PTRE 6-2/B14	3069453	543
PT 6/1P-PE	3061774	275	PTMC 1,5/6-2 -DF	3001945	106	PTPOWER 150-3L/FE	3215007	159	PTRE 6-2/B19	3069455	544
PTB 2,5-PE/L/L	3210547	131	PTMC 1,5/6-2 -NS	3001920	106	PTPOWER 150-3L/FE-F	3215035	159	PTRE 6-2/B7	3069450	541
PTB 2,5-PE/LMT	3210549	130	PTMC 1,5/6-3 -DF	3001934	106	PTPOWER 150-3L/N	3215006	159	PTRE 6-2/C14	3069454	543
PTB 2,5-PE/LNTG	3210545	130	PTMC 1,5/6-3 -NS	3001914	106	PTPOWER 150-3L/N-F	3215034	159	PTRE 6-2/C19	3069456	545
PTB 2,5-PE/LTG	3210539	130	PTMC 1,5/7-2 -DF	3001946	106	PTPOWER 150-3L/N/FE	3215008	159	PTRE 6-2/D19	3069457	545
PTC 2,5-MT	3270079	118	PTMC 1,5/7-2 -NS	3001921	106	PTPOWER 150-3L/N/FE-F	3215036	159	PTRE 6-2/E7	3069451	541
PTC 2,5-MTD	3270106	114	PTMC 1,5/7-3 -DF	3001935	106	PTPOWER 150-FE	3215002	159	PTRE 6-2/F19	3069458	546
PTC 2,5-MTD BU	3270109	114	PTMC 1,5/7-3 -NS	3001913	106	PTPOWER 150-FE-F	3215032	159	PTRE 6-2/G19	3069459	547
PTC 2,5-QUATTRO-MT	3270085	120	PTMC 1,5/8-2 -DF	3001947	106	PTPOWER 35	3212064	153	PTRE 6-2/H19	3069460	547
PTC 2,5-QUATTRO-TG	3270094	116	PTMC 1,5/8-2 -NS	3001922	106	PTPOWER 35 BU	3212065	153	PTRE 6-2/I19	3069461	548
PTC 2,5-TG	3270088	114	PTMC 1,5/8-3 -DF	3001936	106	PTPOWER 35-3L	3212068	153	PTRV 4 /COL-COL	3001875	96
PTC 2,5-TWIN-MT	3270082	119	PTMC 1,5/8-3 -NS	3001914	106	PTPOWER 35-3L-F	3212072	153	PTRV 4 /COL-RD	3001754	96
PTC 2,5-TWIN-MTD	3270110	115	PTMC 1,5-2 /BK	3270434	99	PTPOWER 35-3L/FE	3212070	153	PTRV 4 /COL-WH	3001871	96
PTC 2,5-TWIN-MTD BU	3270111	115	PTMC 1,5-2 /BN	3270433	99	PTPOWER 35-3L/FE-F	3212075	153	PTRV 4 /RD	3270121	92
PTC 2,5-TWIN-TG	3270091	115	PTMC 1,5-2 /BU	3270430	99	PTPOWER 35-3L/N	3212069	153	PTRV 4 /RD-COL	3001872	96
PTC 4-HESI (5X20)	3270200	134	PTMC 1,5-2 /GN	3270432	99	PTPOWER 35-3L/N-F	3212073	153	PTRV 4 /WH	3270115	92
PTC 4-HESILA 250 (5X20)	3270197	134	PTMC 1,5-2 /GY	3270302	99	PTPOWER 35-3L/N/FE	3212071	153	PTRV 4 /WH-COL	3001874	96
PTC 4-HESILED 24 (5X20)	3270203	134	PTMC 1,5-2 /OG	3270436	99	PTPOWER 35-3L/N/FE-F	3212076	153	PTRV 4 BU/BU	3270118	92
PTC 4-HESILED 60 (5X20)	3270205	134	PTMC 1,5-2 /PK	3270438	99	PTPOWER 35-F	3212078	153	PTRV 4 BU/RD	3270120	92
PTI 2,5	3213968	126	PTMC 1,5-2 /RD	3270431	99	PTPOWER 35-F BU	3212079	153	PTRV 4 BU/WH	3270119	92
PTI 2,5 BU	3213969	126	PTMC 1,5-2 /VT	3270435	99	PTPOWER 35-FE	3212081	153	PTRV 4-FE /BKYE	3270131	93
PTI 2,5-L	3213951	128	PTMC 1,5-2 /WH	3270303	99	PTPOWER 35-FE-F	3212082	153	PTRV 4-FE /YEBK	3270130	93
PTI 2,5-L/L	3213953	128	PTMC 1,5-2 /YE	3270437	99	PTPOWER 35-PE	3212066	153	PTRV 4-PV /BK	3270125	93
PTI 2,5-L/LT	3213948	127	PTMC 1,5-3 /BK	3270424	99	PTPOWER 50	3260050	155	PTRV 4-PV BU/BK	3270126	93
PTI 2,5-L/LTB	3213958	129	PTMC 1,5-3 /BN	3270423	99	PTPOWER 50 BU	3260051	155	PTRV 8 /COL-COL	3001879	96
PTI 2,5-L/N	3213954	128	PTMC 1,5-3 /BU	3270420	99	PTPOWER 50 P	3260065	155	PTRV 8 /COL-RDWH	3001851	96
PTI 2,5-L/NT	3213947	127	PTMC 1,5-3 /GN	3270422	99	PTPOWER 50-3L	3260053	155	PTRV 8 /COL-WHRD	3001876	96
PTI 2,5-L/NTB	3213956	129	PTMC 1,5-3 /GY	3270300	99	PTPOWER 50-3L-F	3260057	155	PTRV 8 /RDWH	3270137	94
PTI 2,5-L/TG	3213961	117	PTMC 1,5-3 /OG	3270426	99	PTPOWER 50-3L/FE	3260055	155	PTRV 8 /RDWH-COL	3001877	96
PTI 2,5-N	3213952	128	PTMC 1,5-3 /PK	3270428	99	PTPOWER 50-3L/FE-F	3260059	155	PTRV 8 /WHRD	3270133	94
PTI 2,5-PE	3213962	126	PTMC 1,5-3 /RD	3270421	99	PTPOWER 50-3L/N	3260054	155	PTRV 8 /WHRD-COL	3001878	96
PTI 2,5-PE/L/L	3213949	127	PTMC 1,5-3 /VT	3270425	99	PTPOWER 50-3L/N-F	3260058	155	PTRV 8 BU/BU	3270136	94
PTI 2,5-PE/LB	3213959	129	PTMC 1,5-3 /WH	3270301	99	PTPOWER 50-3L/N/FE	3260056	155	PTRV 8 BU/RDWH	3270135	94
PTI 2,5-PE/L/LTB	3213957	128	PTMC 1,5-3 /YE	3270427	99	PTPOWER 50-3L/N/FE-F	3260060	155	PTRV 8 BU/WHRD	3270134	94
PTI 2,5-PE/L/N	3213950	127	PTMC 1,5/32-2	3270314	102	PTPOWER 50-F	3260061	155	PTRV 8-FE /BKYE	3270149	95
PTI 2,5-PE/L/NT	3213946	127	PTMC 1,5/32-2 /BU	3270315	102	PTPOWER 50-F BU	3260062	155	PTRV 8-FE /YEBK	3270148	95
PTI 2,5-PE/L/NTB	3213955	128	PTMC 1,5/32-2H /BU 19Z	3270317	105	PTPOWER 50-FE	3260063	155	PTRV 8-PV /BK	3270142	95
PTI 2,5-PE/L/TG	3213960	117	PTMC 1,5/32-2H 19Z	3270316	105	PTPOWER 50-FE-F	3260064	155	PTRV 8-PV BU/BK	3270145	95
PTI 4	3213970	138	PTMC 1,5/32-3	3270310	100	PTPOWER 50-PE	3260052	155	PTRVB 4-FI	3270158	93
PTI 4 BU	3213971	138	PTMC 1,5/32-3 /BU	3270312	100	PTPOWER 95	3260100	157	PTRVB 4-PV	3270157	93
PTI 4-L/L	3214052	139	PTMC 1,5/32-3 /BU 19Z	3270313	104	PTPOWER 95 BU	3260103	157	PTRVB 8-FI	3270160	95
PTI 4-L/N	3214051	139	PTMC 1,5/32-3 19Z	3270311	104	PTPOWER 95 P	3260163	157	PTRVB 8-PV	3270159	95
PTI 4-PE	3213964	138	PTMC 1,5/48-2	3270322	103	PTPOWER 95-3L	3260109	157	PTS 1,5/S	3214547	108
PTI 4-PE/L/L	3214050	139	PTMC 1,5/48-2 /BU	3270323	103	PTPOWER 95-3L-F	3260121	157	PTS 1,5/S BU	3214550	108
PTI 4-PE/L/LT	3214048	139	PTMC 1,5/48-3	3270318	101	PTPOWER 95-3L/FE	3260115	157	PTS 1,5/S-PE	3214563	108
PTI 4-PE/L/LTB	3214049	139	PTMC 1,5/48-3 /BU	3270320	101	PTPOWER 95-3L/FE-F	3260127	157	PTS 1,5/S-QUATTRO	3214615	108
PTI 4-PE/L/NT	3214047	139	PTMC 1,5/48-3 /BU 19Z	3270321	105	PTPOWER 95-3L/N	3260112	157	PTS 1,5/S-QUATTRO BU	3214631	108
PTI 6	3213972	145	PTMC 1,5/48-3 19Z	3270319	105	PTPOWER 95-3L/N-F	3260124	157	PTS 1,5/S-QUATTRO-PE	3214644	108
PTI 6 BU	3213973	145	PTMC 1,5/80-2	3270329	103	PTPOWER 95-3L/N/FE	3260118	157	PTS 1,5/S-TWIN	3214589	108
PTI 6-PE	3213966	145	PTMC 1,5/80-2 /BU	3270330	103	PTPOWER 95-3L/N/FE-F	3260130	157	PTS 1,5/S-TWIN BU	3214592	108
PTIO 1,5/S/3	3244410	89	PTMC 1,5/80-3	3270324							

Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
PTS 1,5/S-TWIN/1P BU	3214712	257	PTTBS 2,5-2MTB BU	3210401	120	PZ 1,5/S/2	3212918	312	QTCU 1,5 BU	3050028	218
PTS 1,5/S-TWIN/1P-PE	3214725	257	PTTBS 2,5-2TGB	3210402	116	PZ/2	3040627	312	QTCU 1,5-PE	3050031	218
PTS 1,5/S/1P	3214453	257	PTTBS 2,5-PE	3209620	124	PZ/4	3040643	312	QTCU 1,5-TWIN	3050044	218
PTS 1,5/S/1P BU	3214466	257	PTTBS 2,5-PV	3210211	124				QTCU 1,5-TWIN BU	3050057	218
PTS 1,5/S/1P-PE	3214479	257	PTTBS 2,5-QUATTRO	3210609	112				QTCU 1,5-TWIN-PE	3050060	218
PTS 2,5	3211799	124	PTTBS 2,5-QUATTRO BU	3210610	112				QTCU 2,5	3206539	222
PTS 2,5 BU	3211812	124	PTTBS 2,5-QUATTRO-PE	3210611	112				QTCU 2,5 BU	3206542	222
PTS 2,5-PE	3211867	124	PTTBS 2,5-QUATTRO-PV	3210612	112	<b>Q</b>			QTCU 2,5-PE	3206555	222
PTS 2,5-QUATTRO	3211993	124	PTTBS 2,5-TWIN	3210600	112	QP 1,5/ 1	3051108	308	QTCU 2,5-TWIN	3050303	222
PTS 2,5-QUATTRO BU	3212002	124	PTTBS 2,5-TWIN BU	3210601	112	QP 1,5/ 1 BU	3051250	308	QTCU 2,5-TWIN BU	3050316	222
PTS 2,5-QUATTRO-PE	3212011	124	PTTBS 2,5-TWIN-PE	3210602	112	QP 1,5/ 1 GNYE	3051263	308	QTCU 2,5-TWIN-MT	3050304	223
PTS 2,5-TWIN	3211896	124	PTTBS 2,5-TWIN-PV	3210603	112	QP 1,5/ 1-L	3051014	309	QTCU 2,5-TWIN-MT BU	3050317	223
PTS 2,5-TWIN BU	3211906	124	PTTBS 2,5-TWIN/2P	3210604	264	QP 1,5/ 1-L BU	3051027	309	QTCU 2,5-TWIN-PE	3050329	222
PTS 2,5-TWIN-PE	3211935	124	PTTBS 2,5-TWIN/2P BU	3210605	264	QP 1,5/ 1-L GNYE	3051030	309	QTTCCB 1,5	3205116	216
PIT 1,5/S-2L	3210356	91	PTTBS 2,5-TWIN/2P-PE	3210606	264	QP 1,5/ 1-M	3051043	309	QTTCCB 1,5 BU	3205129	216
PTT 1,5/S-2L BU	3210357	91	PTTBS 2,5-TWIN/2P-PV	3210607	264	QP 1,5/ 1-M BU	3051056	309	QTTCCB 1,5-DIO/O-U	3206241	217
PTT 1,5/S-2MT	3210351	91	PTU 16/14X2,5 BU	3214014	123	QP 1,5/ 1-M GNYE	3051069	309	QTTCCB 1,5-PE	3205132	216
PTT 1,5/S-2MT BU	3210352	91	PTU 16/14X2,5 GN	3214015	123	QP 1,5/ 1-R	3051072	309	QTTCCB 1,5-PV	3205153	216
PTT 1,5/S-LMT	3210341	91	PTU 16/14X2,5 GY	3214016	123	QP 1,5/ 1-R BU	3051085	309	QTTCCB 1,5/ 2P	3050196	307
PTT 1,5/S-LMT BU	3210342	91	PTU 2,5	3209519	123	QP 1,5/ 1-R GNYE	3051098	309	QTTCCB 1,5/ 2P BU	3050206	307
PTT 2,5-2L	3210267	116	PTU 2,5 BU	3209520	123	QP 1,5/ 2	3051111	308	QTTCCB 1,5/ 2P-F	3061185	321
PTT 2,5-2L BU	3210268	116	PTU 2,5-PE	3209521	123	QP 1,5/ 3	3051124	308	QTTCCB 1,5/ 2P-PE	3050219	307
PTT 2,5-2MT	3210258	120	PTU 2,5-TWIN	3209515	123	QP 1,5/ 4	3051137	308	QTTCCB 1,5/ 2P-PV	3206377	307
PTT 2,5-2MT BU	3210265	120	PTU 2,5-TWIN BU	3209516	123	QP 1,5/ 5	3051140	308	QTTCCB 1,5	3050222	219
PTT 2,5-LMT	3210251	120	PTU 2,5-TWIN-PE	3209517	123	QP 1,5/ 6	3051153	308	QTTCCB 1,5 BU	3050235	219
PTT 2,5-LMT BU	3210257	120	PTU 4	3211855	137	QP 1,5/ 7	3051166	308	QTTCCB 1,5-PE	3050248	219
PTT 2,5-LTG	3210230	116	PTU 4 BU	3211856	137	QP 1,5/ 8	3051179	308	QTTCCB 1,5-PV	3206380	307
PTT 2,5-LTG BU	3210270	116	PTU 4-MT	3209538	138	QP 1,5/ 9	3051182	308	QTTCCB 1,5	3050264	219
PTTB 1,5/S	3208511	87	PTU 4-MT-P	3209532	138	QP 1,5/10	3051195	308	QTTCCB 1,5 BU	3050280	218
PTTB 1,5/S BU	3208524	87	PTU 4-MTD	3209539	138	QP 1,5/11	3051205	308	QTTCCB 1,5-PE	3050277	218
PTTB 1,5/S-L/N	3208544	88	PTU 4-MTD-P	3209540	138	QP 1,5/12	3051218	308	QTTCCB 1,5-PV	3050361	218
PTTB 1,5/S-PE	3208537	87	PTU 4-PE	3211857	137	QP 1,5/13	3051221	308			
PTTB 1,5/S-PE/L	3208553	88	PTU 4-TG	3209542	138	QP 1,5/14	3051234	308	<b>R</b>		
PTTB 1,5/S-PE/N	3208566	88	PTU 4-TG-P	3209541	138	QP 1,5/15	3051247	308	RBO 10	3244614	483
PTTB 1,5/S-PV	3208540	87	PTU 4-TWIN	3211859	137	QTC 1,5	3205019	215	RBO 10 BU	3244616	483
PTTB 1,5/S/2P	3212439	255	PTU 4-TWIN BU	3211860	137	QTC 1,5 BU	3205022	215	RBO 10 BU	3076219	483
PTTB 1,5/S/2P BU	3212442	255	PTU 4-TWIN-PE	3211862	137	QTC 1,5-MT	3205103	217	RBO 10-3L	3076219	483
PTTB 1,5/S/2P-PE	3212455	255	PTU 6-T	3209535	143	QTC 1,5-PE	3205035	215	RBO 10-3L-HC	3076057	485
PTTB 1,5/S/2P-PV	3212468	255	PTU 6-T-P	3209530	143	QTC 1,5-QUATTRO	3205077	215	RBO 10-3L/FE	3076137	483
PTTB 1,5/S/4P	3213865	256	PTUD 6	3209531	143	QTC 1,5-QUATTRO BU	3205080	215	RBO 10-3L/FE-HC	3076138	483
PTTB 1,5/S/4P BU	3213878	256	PTUD 6-P	3209537	143	QTC 1,5-QUATTRO-PE	3205093	215	RBO 10-3L/FE-HC	3076251	485
PTTB 1,5/S/4P-PE	3213881	256	PTWE 6-2/10	3069833	532	QTC 1,5-TG	3205145	216	RBO 10-3L/N-HC	3076099	485
PTTB 1,5/S/4P-PV	3213852	256	PTWE 6-2/11	3069834	532	QTC 1,5-TWIN	3205048	215	RBO 10-3L/N/FE	3076293	483
PTTB 2,5	3210567	111	PTWE 6-2/12	3069835	532	QTC 1,5-TWIN BU	3205051	215	RBO 10-3L/N/FE-HC	3076170	485
PTTB 2,5 BU	3210570	111	PTWE 6-2/13	3069836	532	QTC 1,5-TWIN-MT	3050407	217	RBO 10-FE	3244615	483
PTTB 2,5-2BE	3211480	122	PTWE 6-2/14	3069837	532	QTC 1,5-TWIN-PE	3205064	215	RBO 10-FE-HC	3247978	485
PTTB 2,5-2DIO/O-UL/O-UR	3211443	122	PTWE 6-2/15	3069838	532	QTC 1,5-TWIN-TG	3050131	216	RBO 10-HC	3247977	485
PTTB 2,5-2DIO/O-UL/UR-UL	3211430	122	PTWE 6-2/16	3069839	532	QTC 1,5/ 1P	3050073	307	RBO 10-HC BU	3247977	485
PTTB 2,5-DIO/O-U	3210923	121	PTWE 6-2/17	3069840	532	QTC 1,5/ 1P BU	3050086	307	RBO 10-VS 2	3246463	483
PTTB 2,5-DIO/U-O	3210936	121	PTWE 6-2/18	3069841	532	QTC 1,5/ 1P-PE	3050099	307	RBO 10-VS 3	3246656	483
PTTB 2,5-DIO/UL-UR	3211427	121	PTWE 6-2/19	3069842	532	QTC 1,5/1P-F	3061211	321	RBO 12	3244627	483
PTTB 2,5-L/N	3210994	112	PTWE 6-2/20	3069843	532	QTC 2,5	3206416	221	RBO 12 BU	3244629	483
PTTB 2,5-LA 230	3211472	122	PTWE 6-2/21	3069844	532	QTC 2,5 BU	3206429	221	RBO 12-3L	3206678	222
PTTB 2,5-LA 24 RD	3211456	122	PTWE 6-2/22	3069845	532	QTC 2,5 HESILED 60 (5X20)	3050390	222	RBO 12-3L	3206678	222
PTTB 2,5-LA 60 RD	3211469	122	PTWE 6-2/23	3069846	532	QTC 2,5-HEDI	3206678	222	RBO 12-3L-HC	3076060	485
PTTB 2,5-PE	3210596	111	PTWE 6-2/24	3069847	532	QTC 2,5-HESI (5X20)	3050293	222			
PTTB 2,5-PE/L	3210978	112	PTWE 6-2/25	3069848	532	QTC 2,5-HESILA 250 (5X20)	3050387	222	RBO 12-3L/FE	3076140	483
PTTB 2,5-PE/N	3210981	112	PTWE 6-2/4	3069827	532	QTC 2,5-HESILED 24 (5X20)	3050374	222	RBO 12-3L/FE-HC	3076141	483
PTTB 2,5-PV	3210583	111	PTWE 6-2/5	3069828	532	QTC 2,5-MT	3206487	221	RBO 12-3L/N	3076264	485
PTTB 2,5-R499/O-U	3210925	122	PTWE 6-2/6	3069829	532	QTC 2,5-PE	3206432	221	RBO 12-3L/N-HC	3076109	485
PTTB 2,5/2P	3210871	264	PTWE 6-2/7	3069830	532	QTC 2,5-QUATTRO	3206446	221	RBO 12-3L/N/FE	3076303	483
PTTB 2,5/2P BU	3210884	264	PTWE 6-2/8	3069831	532	QTC 2,5-QUATTRO BU	3206447	221	RBO 12-3L/N/FE-HC	3076183	485
PTTB 2,5/2P-PE	3210897	264	PTWE 6-2/9	3069832	532	QTC 2,5-QUATTRO-PE	3206448	221	RBO 12-FE	3244628	483
PTTB 2,5/2P-PV	3210907	264	PTWE 6-2/A14	3069439	542	QTC 2,5-TG	3206490	221	RBO 12-FE-HC	3247988	485
PTTB 4	3211786	133	PTWE 6-2/A7	3069436	540	QTC 2,5-TWIN	3206445	221	RBO 12-HC	3247986	485
PTTB 4 BU	3211793	133	PTWE 6-2/B14	3069440	543	QTC 2,5-TWIN BU	3206461	221	RBO 12-HC BU	3247987	485
PTTB 4-L 1000V	3062744	134	PTWE 6-2/B19	3069442	544	QTC 2,5-TWIN-PE	3206474	221	RBO 12-VS 2	3244669	483
PTTB 4-PE	3211854	133	PTWE 6-2/B7	3069437	541	QTCS 1,5	3050138	219	RBO 12-VS 3	3244672	483
PTTB 4-PV	3211825	133	PTWE 6-2/C14	3069441	543	QTCS 1,5 BU	3050141	219	RBO 16	3244630	483
PTTBS 1,5/S	3214657	108	PTWE 6-2/C19	3069443	545	QTCS 1,5-PE	3050154	219	RBO 16 BU	3244632	483
PTTBS 1,5/S BU	3214660	108	PTWE 6-2/D19	3069444	545	QTCS 1,5-TWIN	3206348	219	RBO 16-3L	3076235	483
PTTBS 1,5/S-PE	3214673	108	PTWE 6-2/E7	3069438	541	QTCS 1,5-TWIN BU	3206351	219	RBO 16-3L-HC	3076073	485
PTTBS 1,5/S-PV	3214686	108	PTWE 6-2/F19	3069445	546	QTCS 1,5-TWIN-PE	3206364	219	RBO 16-3L/FE	3076153	483
PTTBS 1,5/S/2P	3214495	257	PTWE 6-2/G19	3069446	547	QTCS 2,5	3206500	223	RBO 16-3L/FE-HC	3076154	485
PTTBS 1,5/S/2P BU	3214505	257	PTWE 6-2/H19	3069447	547	QTCS 2,5 BU	3206513	223	RBO 16-3L/N	3076277	483
PTTBS 1,5/S/2P-PE	3214518	257	PTWE 6-2/I19	3069448	548	QTCS 2,5-PE	3206526	223	RBO 16-3L/N-HC	3076112	485
PTTBS 1,5/S/2P-PV	3214521	257	PVB 2	0870023	440	QTCS 2,5-TWIN	3050332	223	RBO 16-3L/N/FE	3076316	483
PTTBS 2,5	3209604	124	PVB 3	0870036	440	QTCS 2,5-TWIN BU	3050345	223	RBO 16-3L/N/FE-HC	3076196	485
PTTBS 2,5 BU	3209617	124	PVB 5	0870052	440	QTCS 2,5-TWIN-PE	3050358	223	RBO 16-FE	3244631	483
PTTBS 2,5-2MTB	3210400	120	PVB10	0870120	440	QTCU 1,5					

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
RBO 16-HC	3247989	485	RT 5-PE	3049424	331	SC 2,5-RZ/ 1-L BU	3042227	288	SK 5	3025338	514
RBO 16-HC BU	3247990	485	RT 5-T	3049039	332	SC 2,5-RZ/ 1-L GNYE	3042230	288	SK 5-D	3025406	514
RBO 16-VS 2	3244685	483	RT 8	3049042	335	SC 2,5-RZ/ 2	3041516	288	SK 8	3025163	514
RBO 16-VS 3	3244698	483	RT 8 BU	3049148	335	SC 2,5-RZ/ 3	3041529	288	SK 8-D	3026861	514
RBO 5	3058059	479	RTO 3	3049518	329	SC 2,5-RZ/ 4	3041532	288	SK 14	3025176	514
RBO 5-F	3058062	479	RTO 3 BU	3049660	329	SC 2,5-RZ/ 5	3041545	288	SK 14-D	3026874	514
RBO 5-F/12	3059252	479	RTO 3-PE	3049615	329	SC 2,5-RZ/ 6	3041558	288	SK 20	3025189	514
RBO 5-F/4	3058237	479	RTO 3-PE-TC	3049958	329	SC 2,5-RZ/ 7	3041561	288	SK 20-D	3026887	514
RBO 5-F/6	3058240	479	RTO 3-TC	3049945	329	SC 2,5-RZ/ 8	3041574	288	SK 28	3026997	514
RBO 5-F/8	3058253	479	RTO 3-TC BU	3049835	329	SC 2,5-RZ/ 9	3041590	288	SK 28-D	3027006	514
RBO 5-T	3058114	480	RTO 4-T-TC	3000558	333	SC 2,5-RZ/10	3041587	288	SK 35	3026463	514
RBO 5-T-F	3058169	480	RTO 5	3049521	331	SC 2,5-RZ/11	3041600	288	SK 35-D	3026890	514
RBO 6	3075896	481	RTO 5 BU	3049767	331	SC 2,5-RZ/12	3041613	288	SKS 14	3240211	515
RBO 6-F	3075935	481	RTO 5-PE	3049628	331	SC 2,5-RZ/13	3041626	288	SKS 14-D	3240214	515
RBO 8	3213137	482	RTO 5-PE-TC	3049974	331	SC 2,5-RZ/14	3041639	288	SKS 14-NS35	3240217	515
RBO 8 BU	3213136	482	RTO 5-T	3049233	332	SC 2,5-RZ/15	3041642	288	SKS 14-SNS35	3062799	515
RBO 8-3L	3076206	482	RTO 5-T-TC	3049990	332	SC 2,5/ 1-L	3042188	287	SKS 20	3240212	515
RBO 8-3L-HC	3076044	484	RTO 5-TC	3049961	331	SC 2,5/ 1-L BU	3042191	287	SKS 20-D	3240215	515
RBO 8-3L/FE	3076124	482	RTO 5-TC BU	3049851	331	SC 2,5/ 1-L GNYE	3042201	287	SKS 20-NS35	3240218	515
RBO 8-3L/FE-HC	3076125	484	RTO 8	3049343	335	SC 2,5/ 2	3041312	287	SKS 20-SNS35	3062809	515
RBO 8-3L/N	3076248	482	RTO 8 BU	3049864	335	SC 2,5/ 3	3042269	287	SKS 8	3240210	515
RBO 8-3L/N-HC	3076086	484	RTO 8-TC	3050002	335	SC 2,5/ 4	3042272	287	SKS 8-D	3240213	515
RBO 8-3L/N/FE	3076280	482	RTO 8-TC BU	3049929	335	SC 2,5/ 5	3042285	287	SKS 8-NS35	3240216	515
RBO 8-3L/N/FE-HC	3076167	484				SC 2,5/ 6	3042298	287	SKS 8-SNS35	3062786	515
RBO 8-FE	3213139	482				SC 2,5/ 7	3041367	287	SLKK 5	0461018	390
RBO 8-FE-HC	3247975	484				SC 2,5/ 8	3042308	287	SLKK 5-LA 24 RD/U-O	0461021	390
RBO 8-HC	3247973	484				SC 2,5/ 9	3041383	287	SLKK 5-LA 60 RD/U-O	0461034	390
RBO 8-HC BU	3247974	484				SC 2,5/10	3042311	287	SLKK 5-LA230	0461047	390
RBO 8-VS 2	3213179	482	S	0308359	423	SC 2,5/11	3041406	287	SP 2,5/ 1	3040258	292
RBO 8-VS 3	3213182	482	S 2 A/380 V	0913016	408	SC 2,5/12	3042324	287	SP 2,5/ 1 BU	3040698	292
RS	2775126	435	S 4 A/380 V	0913029	408	SC 2,5/13	3041422	287	SP 2,5/ 1 GNYE	3040708	292
RS20-US-S0004-0204-014H-001	3069700	569	S 6 A/380 V	0913032	408	SC 2,5/14	3041435	287	SP 2,5/ 1-L	3043019	292
RS20-US-S0007-0307-014H-001	3069701	570	S 10 A/380 V	0913045	408	SC 2,5/15	3041448	287	SP 2,5/ 1-L BU	3043022	292
RS20-US-S0023-0203-014H-001	3069702	570	S 16 A/380 V	0913058	408	SC 4-NS/ 1-L	3043404	303	SP 2,5/ 1-L GNYE	3043035	292
RS20-US-S0038-0504-014H-001	3069703	571	S 20 A/380 V	0913061	408	SC 4-RZ/ 1-L	3043378	302	SP 2,5/ 1-M	3043043	292
RS20-US-S0048-0304-014H-001	3069704	571	S 25 A/380 V	0913074	408	SC 4-RZ/ 1-L BU	3043381	302	SP 2,5/ 1-M BU	3043051	292
RS20-US-S0176-0102-014H-001	3069705	571	S 35 A/380 V	0913087	408	SC 4-RZ/ 1-L GNYE	3043394	302	SP 2,5/ 1-M GNYE	3043064	292
RS20-US-S0177-0205-014H-001	3069726	572	S 50 A/380 V	0913090	408	SC 4-RZ/ 2	3042625	302	SP 2,5/ 1-R	3043077	292
RS20-US-S0200-0102-014H-001	3069706	572	S 63 A/380 V	0913100	408	SC 4-RZ/ 3	3042638	302	SP 2,5/ 1-R BU	3043080	292
RS20-US-S0201-0102-014H-001	3069707	573	S-II- 2 A/500 V	0913605	409	SC 4-RZ/ 4	3042641	302	SP 2,5/ 1-R GNYE	3043093	292
RS20-US-S0202-0202-014H-001	3069708	573	S-II- 4 A/500 V	0913618	409	SC 4-RZ/ 5	3042654	302	SP 2,5/ 2	3040261	292
RS20-US-S0203-0202-014H-001	3069709	573	S-II- 6 A/500 V	0913621	409	SC 4-RZ/ 6	3042667	302	SP 2,5/ 3	3040274	292
RS20-US-S0210-0103-014H-001	3069710	574	S-II-10 A/500 V	0913634	409	SC 4-RZ/ 7	3042670	302	SP 2,5/ 4	3040287	292
RS20-US-S0211-0203-014H-001	3069711	574	S-II-16 A/500 V	0913647	409	SC 4-RZ/ 8	3042683	302	SP 2,5/ 5	3040290	292
RS20-US-S0212-0303-014H-001	3069712	575	S-II-20 A/500 V	0913650	409	SC 4-RZ/ 9	3042696	302	SP 2,5/ 6	3040300	292
RS20-US-S0213-0403-014H-001	3069713	575	S-II-25 A/500 V	0913663	409	SC 4-RZ/10	3042706	302	SP 2,5/ 7	3040313	292
RS20-US-S0214-0103-014H-001	3069723	575	S-ME 4	3035758	49	SC 4-RZ/11	3043323	302	SP 2,5/ 8	3040326	292
RS20-US-S0215-0203-014H-001	3069724	576	S-ME 6	3034439	57	SC 4-RZ/12	3043336	302	SP 2,5/ 9	3040339	292
RS20-US-S0220-0102-014H-001	3069714	576	S-MT	3247954	350	SC 4-RZ/13	3043349	302	SP 2,5/10	3040342	292
RS20-US-S0221-0202-014H-001	3069715	577	S-OTTA 6-T	0311199	476	SC 4-RZ/14	3043352	302	SP 2,5/11	3040355	292
RS20-US-S0240-0103-014H-001	3069717	579	S-URTK/SP	0311155	198	SC 4-RZ/15	3043365	302	SP 2,5/12	3040368	292
RS20-US-S0241-0204-014H-001	3069716	579	SB 2-8-T	3026366	198	SC 4/ 1-L	3042599	301	SP 2,5/13	3040371	292
RS20-US-S0250-0303-014H-001	3069718	579	SB 3-8-T	3026492	198	SC 4/ 1-L BU	3042609	301	SP 2,5/14	3040384	292
RS20-US-S0251-0404-014H-001	3069721	580	SB 4-8-T	3026379	198	SC 4/ 1-L GNYE	3042612	301	SP 2,5/15	3040397	292
RS20-US-S0530-0102-014H-001	3069725	577	SB 10-8-T	3026382	198	SC 4/ 2	3042450	301	SP 4/ 1	3042887	305
RS20-US-S0575-0102-014H-001	3069719	577	SB 10-8-T SO	3026395	198	SC 4/ 3	3042463	301	SP 4/ 1-L	3042751	305
RS20-US-S0576-0202-014H-001	3069720	578	SB 2- 8/13	0202235	468	SC 4/ 4	3042476	301	SP 4/ 1-L BU	3042764	305
RS20-US-S0720-0102-014H-001	3069722	578	SB 2- 8/13 N	0200062	362	SC 4/ 5	3042489	301	SP 4/ 1-L GNYE	3042777	305
RSC 4	3058127	486	SB 2-RTK/S	0311236	423	SC 4/ 6	3042492	301	SP 4/ 1-M	3042780	305
RSC 4-F	3058130	487	SB 2-URTK/SP	0360012	429	SC 4/ 7	3042502	301	SP 4/ 1-M BU	3042793	305
RSC 4-F/12	3059207	487	SB 4-RTK/S	0311265	423	SC 4/ 8	3042515	301	SP 4/ 1-M GNYE	3042803	305
RSC 4-F/4	3059171	487	SB 4-URTK/SP	0360025	429	SC 4/ 9	3042528	301	SP 4/ 1-R	3042816	305
RSC 4-F/6	3059184	487	SB 6-T 2-8	3075842	56	SC 4/10	3042531	301	SP 4/ 1-R BU	3042829	305
RSC 4-F/8	3059197	487	SB 6-T 3-8	3075843	56	SC 4/11	3042544	301	SP 4/ 1-R GNYE	3042832	305
RSC 5	3058143	487	SB 6-T 4-8	3075844	56	SC 4/12	3042557	301	SP 4/ 2	3042890	305
RSC 5-F	3058156	487	SB-ME 2-6	3035755	49	SC 4/13	3042560	301	SP 4/ 3	3042900	305
RSC 5-F/12	3059249	487	SB-ME 2-8	3034468	57	SC 4/14	3042573	301	SP 4/ 4	3042926	305
RSC 5-F/4	3059210	487	SB-ME 3-6	3035756	49	SC 4/15	3042586	301	SP 4/ 5	3042939	305
RSC 5-F/6	3059223	487	SB-ME 3-8	3032800	57	SCBI 10-8,15	3245134	143	SP 4/ 6	3042942	305
RSC 5-F/8	3059236	487	SB-ME 4-6	3035757	49	SCBI 10-8,15 ISO	3000417	143	SP 4/ 7	3042955	305
RSC 5-T	3058172	489	SB-ME 4-8	3034484	57	SF-PZSL 1-80 S-VDE	1212699	502	SP 4/ 8	3042968	305
RSC 5-T-F	3058334	489	SB-MER 2-8	3000587	343	SF-PZSL 2-100 S-VDE	1212700	503	SP 4/ 9	3042971	305
RSC 6	3075870	488	SB-MER 3-8	3000588	343	SF-SL 0,6X3,5-100 S-VDE	1212587	30	SP 4/1 BU	3061033	305
RSC 6-F	3075919	489	SB-MER 4-8	3000589	343	SF-SL 0,8X4,0-100	1212551	333	SP 4/1 GNYE	3061046	305
RT 3	3049013	329	SBH 2-15	0205232	445	SF-SL 0,8X4,0-100 S-VDE	1212588	424	SP 4/10	3042984	305
RT 3 BU	3049110	329	SBP-TB 6-T 2-8	3070321	424	SGSK 6	3029965	198	SP 4/11	3042997	305
RT 3-PE	3049411	329	SBP-TB 6-T 3-8	3070322	424	SH-SE 14/18	0913317	408	SP 4/12	3043006	305
RT 4-T-P/P	3000565	333	SBP-TB 6-T 4-8	3070323	424	SHN 13	1209923	334	SP 4/13	3043718	305
RT 5	3049026	331	SC 2,5-NS/ 1-L	3042340	290	SHN 5.5	1209855	328	SP 4/14	3043721	305
RT 5 BU	3049123	331	SC 2,5-RZ/ 1-L	3042214	288	SHN 8	1209868	330	SP 4/15	3043734	305

# Index

## Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
SP-H 2,5/1	3210619	293	SPV 2,5/1 GNYE	3061020	294	ST 2,5-PCB/ 9-G-5,2	1980446	237	ST 4-HESILED 24 (6,3X32)	3038765	189
SP-H 2,5/1 BU	3210761	293	SPV 2,5/1-L	3041024	294	ST 2,5-PCB/10-G-5,2	1980459	237	ST 4-HESILED 60 (5X20)	3036550	189
SP-H 2,5/1 GNYE	3210774	293	SPV 2,5/1-L BU	3041037	294	ST 2,5-PCB/11-G-5,2	1980462	237	ST 4-MT	3038875	190
SP-H 2,5/1-L	3210787	293	SPV 2,5/1-L GNYE	3041040	294	ST 2,5-PCB/12-G-5,2	1980475	237	ST 4-PCB/ 2-G-6,2	1980598	245
SP-H 2,5/1-L BU	3210790	293	SPV 2,5/1-M	3041053	294	ST 2,5-PCB/ 2-G-5,2	1980488	237	ST 4-PCB/ 3-G-6,2	1980608	245
SP-H 2,5/1-L GNYE	3210800	293	SPV 2,5/1-M BU	3041066	294	ST 2,5-PCB/ 3-G-5,2	1980491	237	ST 4-PCB/ 4-G-6,2	1980611	245
SP-H 2,5/1-M	3210813	293	SPV 2,5/1-M GNYE	3041079	294	ST 2,5-PCB/ 4-G-5,2	1980501	237	ST 4-PCB/ 5-G-6,2	1980624	245
SP-H 2,5/1-M BU	3210826	293	SPV 2,5/1-R	3041082	294	ST 2,5-PCB/ 5-G-5,2	1980514	237	ST 4-PCB/ 6-G-6,2	1980637	245
SP-H 2,5/1-M GNYE	3210839	293	SPV 2,5/1-R BU	3041095	294	ST 2,5-PCB/ 6-G-5,2	1980527	237	ST 4-PCB/ 7-G-6,2	1980640	245
SP-H 2,5/1-R	3210842	293	SPV 2,5/1-R GNYE	3041105	294	ST 2,5-PCB/ 7-G-5,2	1980530	237	ST 4-PCB/ 8-G-6,2	1980653	245
SP-H 2,5/1-R BU	3210855	293	SPV 2,5/2	3041723	294	ST 2,5-PCB/ 8-G-5,2	1980543	237	ST 4-PCB/ 9-G-6,2	1980666	245
SP-H 2,5/1-R GNYE	3210868	293	SPV 2,5/3	3041736	294	ST 2,5-PCB/ 9-G-5,2	1980556	237	ST 4-PCB/10-G-6,2	1980679	245
SP-H 2,5/2	3210622	293	SPV 2,5/4	3041749	294	ST 2,5-PCB/10-G-5,2	1980569	237	ST 4-PCB/11-G-6,2	1980682	245
SP-H 2,5/3	3210635	293	SPV 2,5/5	3041752	294	ST 2,5-PCB/11-G-5,2	1980572	237	ST 4-PCB/12-G-6,2	1980695	245
SP-H 2,5/4	3210648	293	SPV 2,5/6	3041765	294	ST 2,5-PCB/12-G-5,2	1980585	237	ST 4-PCB/ 2-G-6,2	1980705	245
SP-H 2,5/5	3210651	293	SPV 2,5/7	3041778	294	ST 2,5-PE	3031238	171	ST 4-PCB/ 3-G-6,2	1980718	245
SP-H 2,5/6	3210664	293	SPV 2,5/8	3041781	294	ST 2,5-PE/2PV	3038833	173	ST 4-PCB/ 4-G-6,2	1980721	245
SP-H 2,5/7	3210677	293	SPV 2,5/9	3041794	294	ST 2,5-PE/3L	3036055	173	ST 4-PCB/ 5-G-6,2	1980734	245
SP-H 2,5/8	3210680	293	SPV 2,5/10	3041804	294	ST 2,5-PE/3L/1P	3041969	285	ST 4-PCB/ 6-G-6,2	1980747	245
SP-H 2,5/9	3210693	293	SPV 2,5/11	3041817	294	ST 2,5-PE/L/L	3036097	173	ST 4-PCB/ 7-G-6,2	1980750	245
SP-H 2,5/10	3210703	293	SPV 2,5/12	3041820	294	ST 2,5-PE/L/N	3036084	173	ST 4-PCB/ 8-G-6,2	1980763	245
SP-H 2,5/11	3210716	293	SPV 2,5/13	3041833	294	ST 2,5-QUATTRO	3031306	171	ST 4-PCB/ 9-G-6,2	1980776	245
SP-H 2,5/12	3210729	293	SPV 2,5/14	3041846	294	ST 2,5-QUATTRO BU	3031319	171	ST 4-PCB/10-G-6,2	1980789	245
SP-H 2,5/13	3210732	293	SPV 2,5/15	3041859	294	ST 2,5-QUATTRO-DIO/L-R	3036233	178	ST 4-PCB/11-G-6,2	1980792	245
SP-H 2,5/14	3210745	293	SRDK 6	3029973	198	ST 2,5-QUATTRO-DIO/R-L	3036534	178	ST 4-PCB/12-G-6,2	1980802	245
SP-H 2,5/15	3210758	293	SRTK 6	3029952	198	ST 2,5-QUATTRO-MT	3036576	177	ST 4-PE	3031380	187
SPB 2,5/1	3040106	295	SS-ZB WH	5031171	408	ST 2,5-QUATTRO-MT BU	3037834	177	ST 4-PE/3L	3038338	188
SPB 2,5/1 BU	3040724	295	SS-ZB YE	5031650	408	ST 2,5-QUATTRO-PE	3031322	171	ST 4-QUATTRO	3031445	187
SPB 2,5/1 GNYE	3040711	295	SSK 0525 KER-EX	0501059	451	ST 2,5-QUATTRO-TG	3038451	176	ST 4-QUATTRO BU	3031458	187
SPB 2,5/1-L	3043103	295	SSK 110 KER-EX	0502058	452	ST 2,5-QUATTRO-U	3031636	171	ST 4-QUATTRO-DIO 1N 5408/L-R	3037782	190
SPB 2,5/1-L BU	3043116	295	SSK 116 KER-EX	0503057	453	ST 2,5-QUATTRO/2P	3040038	283	ST 4-QUATTRO-DIO 1N 5408/R-L	3037795	190
SPB 2,5/1-L GNYE	3043129	295	SSK 135 KER-EX	0505055	453	ST 2,5-QUATTRO/2P BU	3040669	283	ST 4-QUATTRO-PE	3031461	187
SPB 2,5/1-M	3043132	295	SSL 2,5	3043815	289	ST 2,5-QUATTRO/2P-F	3209853	321	ST 4-QUATTRO-U	3038639	187
SPB 2,5/1-M BU	3043145	295	ST 1,5	3031076	167	ST 2,5-QUATTRO/2P-FS	3061392	319	ST 4-QUATTRO/2P	3042845	299
SPB 2,5/1-M GNYE	3043158	295	ST 1,5 BU	3031089	167	ST 2,5-QUATTRO/2P-PE	3040041	283	ST 4-QUATTRO/2P BU	3042861	299
SPB 2,5/1-R	3043161	295	ST 1,5-PE	3031513	167	ST 2,5-QUATTRO/4P	3042159	265	ST 4-QUATTRO/2P-PE	3042858	299
SPB 2,5/1-R BU	3043174	295	ST 1,5-QUATTRO	3031186	167	ST 2,5-QUATTRO/4P BU	3042081	265	ST 4-QUATTRO/4CP	3042736	300
SPB 2,5/1-R GNYE	3043187	295	ST 1,5-QUATTRO BU	3031199	167	ST 2,5-QUATTRO/4P-F	3061208	321	ST 4-TG	3038367	190
SPB 2,5/2	3040119	295	ST 1,5-QUATTRO-PE	3031209	167	ST 2,5-QUATTRO/4P-FS	3061402	319	ST 4-TWIN	3031393	187
SPB 2,5/3	3040122	295	ST 1,5-QUATTRO-U	3038600	167	ST 2,5-QUATTRO/4P-PE	3042162	265	ST 4-TWIN BU	3031403	187
SPB 2,5/4	3040135	295	ST 1,5-TWIN	3031128	167	ST 2,5-TG	3038435	176	ST 4-TWIN-PE	3031416	187
SPB 2,5/5	3040143	295	ST 1,5-TWIN BU	3031131	167	ST 2,5-TWIN	3031241	171	ST 4/ 1P	3042719	299
SPB 2,5/6	3040151	295	ST 1,5-TWIN-PE	3031144	167	ST 2,5-TWIN BU	3031254	171	ST 4/ 1P BU	3042874	299
SPB 2,5/7	3040164	295	ST 1,5-S-QUATTRO	3213124	168	ST 2,5-TWIN-DIO/L-R	3036246	178	ST 4/ 1P-PE	3042722	299
SPB 2,5/8	3040177	295	ST 1-SI	0920326	400	ST 2,5-TWIN-DIO/R-L	3036521	178	ST 4/ 2P	3042735	242
SPB 2,5/9	3040180	295	ST 1-SILA 250	0920397	400	ST 2,5-TWIN-MT	3036356	177	ST 4/ 2P BU	3043789	242
SPB 2,5/10	3040193	295	ST 1-SILED 24	0920384	400	ST 2,5-TWIN-MT BU	3037821	177	ST 4/ 2P-PE	3042748	242
SPB 2,5/11	3040203	295	ST 10	3036110	201	ST 2,5-TWIN-MT/1P	3040766	284	ST 6	3031487	195
SPB 2,5/12	3040216	295	ST 10 BU	3036123	201	ST 2,5-TWIN-PE	3031267	171	ST 6 BU	3031490	195
SPB 2,5/13	3040229	295	ST 10-PE	3036136	201	ST 2,5-TWIN-TG	3038448	176	ST 6-PE	3031500	195
SPB 2,5/14	3040232	295	ST 10-TWIN	3035288	201	ST 2,5-TWIN-TG/1P	3040847	284	ST 6-TWIN	3036466	195
SPB 2,5/15	3040245	295	ST 10-TWIN BU	3035292	201	ST 2,5-TWIN/ 1P	3042117	283	ST 6-TWIN BU	3036479	195
SPDB 2,5/1	3040407	296	ST 10-TWIN-PE	3035302	201	ST 2,5-TWIN/ 1P BU	3042104	283	ST 6-TWIN-PE	3036482	195
SPDB 2,5/1 BU	3040737	296	ST 16	3036149	205	ST 2,5-TWIN/ 1P-PE	3042120	283	ST-1N4007	2802329	412
SPDB 2,5/1 GNYE	3040740	296	ST 16 BU	3036152	205	ST 2,5-TWIN/1P-F	3209840	321	ST-B250C1500	2802345	412
SPDB 2,5/1-L	3043190	296	ST 16-PE	3036165	205	ST 2,5-TWIN/1P-FS	3061389	319	ST-BE	2802316	412
SPDB 2,5/1-L BU	3043200	296	ST 16-TWIN	3035328	205	ST 2,5/ 1P	3040012	283	ST-BE-LA 24	2802374	412
SPDB 2,5/1-L GNYE	3043213	296	ST 16-TWIN BU	3035331	205	ST 2,5/ 1P BU	3040656	283	ST-BE-LA230	2802387	412
SPDB 2,5/1-M	3043226	296	ST 16-TWIN-PE	3035344	205	ST 2,5/ 1P-PE	3040025	283	ST-BE-VP	2802332	412
SPDB 2,5/1-M BU	3043239	296	ST 2,5	3031212	171	ST 2,5/1P-F	3209837	321	ST-K 4	5025462	412
SPDB 2,5/1-M GNYE	3043242	296	ST 2,5 BU	3031225	171	ST 2,5/1P-FS	3061376	319	ST-SI	0920229	400
SPDB 2,5/1-R	3043255	296	ST 2,5-3L	3036042	173	ST 2,5/2P	3042133	236	ST-SI-UK 4	0921011	412
SPDB 2,5/1-R BU	3043268	296	ST 2,5-3L BU	3038710	173	ST 2,5/2P BU	3042094	236	ST-SILA250	0920287	400
SPDB 2,5/1-R GNYE	3043271	296	ST 2,5-3L-LA 24RD/O-M	3035580	173	ST 2,5/2P-F	3061198	321	ST-SILA250-UK 4	0921053	412
SPDB 2,5/2	3040410	296	ST 2,5-3PE	3036071	173	ST 2,5/2P-FS	3061415	319	ST-SILED 12-UK 4	0921024	412
SPDB 2,5/3	3040423	296	ST 2,5-3PV	3036068	173	ST 2,5/2P-PE	3042146	236	ST-SILED 24	0920452	400
SPDB 2,5/4	3040436	296	ST 2,5-4L/1P	3041985	285	ST 35	3036178	207	ST-SILED 24-UK 4	0921037	412
SPDB 2,5/5	3040449	296	ST 2,5-4L/2P	3042007	285	ST 35 BU	3036181	207	ST-SILED 60-UK 4	0921040	412
SPDB 2,5/6	3040452	296	ST 2,5-4L/2P-Z	3041998	285	ST 35-PE	3036194	207	ST-T	0920216	400
SPDB 2,5/7	3040465	296	ST 2,5-DIO/L-R	3036262	178	ST 4	3031364	187	STG-MTN 0,5-1,0	3190438	266
SPDB 2,5/8	3040478	296	ST 2,5-DIO/R-L	3036518	178	ST 4 BU	3031377	187	STG-MTN 1,5-2,5	3190506	266
SPDB 2,5/9	3040481	296	ST 2,5-MT	3036343	177	ST 4-FSI/C	3036372	189	STI 10	3038215	201
SPDB 2,5/10	3040494	296	ST 2,5-MT BU	3037818	177	ST 4-FSI/C-LED 12	3036495	189	STI 10 BU	3038228	201
SPDB 2,5/11	3040504	296	ST 2,5-PCB/ 2-G-5,2	1980378	237	ST 4-FSI/C-LED 24	3036505	189	STI 10-PE	3038231	201
SPDB 2,5/12	3040517	296	ST 2,5-PCB/ 3-G-5,2	1980381	237	ST 4-HEDI	3035140	189	STI 16	3038257	205
SPDB 2,5/13	3040520	296	ST 2,5-PCB/ 4-G-5,2	1980394	237	ST 4-HESI (5X20)	3036369	189	STI 16 BU	3038260	205
SPDB 2,5/14	3040533	296	ST 2,5-PCB/ 5-G-5,2	1980404	237	ST 4-HESI (6,3X32)	3036385	189	STI 16-PE	3038273	205
SPDB 2,5/15	3040546	29									

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
STIO 2,5/3-PE/B/L	3209044	174	STTB 2,5-PV	3031539	172	UIKN 35 BU	3034015	449	UIK 35 BU	3034015	449
STIO 2,5/3-PE/B/L-LA24GN/O-M	3209141	174	STTB 2,5-PV BU	3035108	172	UISLKG 16	0443052	446	UK 1,5 N	3005837	360
STIO 2,5/4-PE/B/L-LA24RD/O-M	3209138	174	STTB 2,5-TWIN	3038516	172	UISLKG 16-1	3001789	446	UK 1,5 N BU	3005840	360
STIO 2,5/4-3B/L	3209057	175	STTB 2,5-TWIN BU	3038529	172	UISLKG 35	0443065	446	UK 2,5 N	3003347	361
STIO 2,5/4-3B/L-LA24GN/O-M	3209167	175	STTB 2,5-TWIN-PE	3038532	172	UAB	3032428	447	UK 2,5 N BU	3003350	361
STIO 2,5/4-3B/L-LA24RD/O-M	3209154	175	STTB 2,5-TWIN-PV	3038545	172	UDB 2X25/16 BK	3071356	502	UK 3 N BU	3001514	361
STIO 2,5/4-PE/2B/L	3209060	175	STTB 2,5/2P	3040054	283	UDB 2X25/16 BN	3071357	502	UK 3-TWIN	3002225	368
STIO 2,5/4-PE/2B/L-LA24GN/O-M	3209183	175	STTB 2,5/2P BU	3040672	283	UDB 2X25/16 BU	3071358	502	UK 4-TG	2812018	411
STIO 2,5/4-PE/2B/L-LA24RD/O-M	3209170	175	STTB 2,5/2P BU SO	3040902	284	UDB 2X25/16 GN	3071359	502	UK 4-TG-P/P	2812034	411
STIO-IN 2,5/3 OG	3209196	174	STTB 2,5/2P SO	3040892	284	UDB 2X25/16 GY	3071355	502	UK 5 N	3004362	361
STIO-IN 2,5/3-PE OG	3209086	174	STTB 2,5/2P-F	3061169	321	UDB 2X35/25 BK	3071351	503	UK 5-MTK	3004388	361
STIO-IN 2,5/4 OG	3209206	175	STTB 2,5/2P-FS	3061428	319	UDB 2X35/25 BN	3071352	503	UK 5-HESI	3004100	394
STIO-IN 2,5/4-PE OG	3209109	175	STTB 2,5/2P-PE	3040067	283	UDK 3	3071353	503	UK 5-HESILA 250	3004142	394
STME 6	3035700	196	STTB 2,5/2P-PE SO	3040915	284	UDK 3 BU	2718277	372	UK 5-HESILED 24	3004126	394
STME 6 HV	3035693	195	STTB 2,5/2P-PV SO	3040061	283	UDK 3-PE	2775456	373	UK 5-MTK	3004430	417
STME 6 HV BU	3035694	195	STTB 2,5/2P-PV BU	3040070	283	UDK 4	2775016	373	UK 5-MTK-P/P	3004032	417
STME 6-BE	3035688	197	STTB 2,5/2P-PV SO	3040928	284	UDK 4 BU	2775090	373	UK 5-MTK-P/P BU	3004058	417
STME 6-DIO/L-R HV	3035691	197	STTB 2,5/4P	3061486	236	UDK 4-DUR	2775207	434	UK 5-TWIN	1923021	369
STME 6-DIO/R-L HV	3035692	197	STTB 2,5/4P BU	3061512	236	UDK 4-DUR 249	2775249	434	UK 5-TWIN BU	1923047	369
STMED 6	3035713	196	STTB 2,5/4P-PE	3061499	236	UDK 4-ILA 500	2775061	435	UK 5-TWIN-PE	1923076	371
STMED 6-PE	3035726	196	STTB 2,5/4P-PV	3061509	236	UDK 4-ULA	2775210	418	UK 6 N	3004524	362
STN 10	3038244	201	STTB 4	3031429	188	UDK 4-ULA 24 RD/O-U	2775045	435	UK 6 N BU	3004977	362
STN 16	3038286	205	STTB 4 BU	3031432	188	UDK 4-ULA 230	2775058	435	UK 6,3-HESI	3004171	395
STN 35	3038299	207	STTB 4-PE	3036039	188	UDK 4-ULA/EK	2775029	435	UK 6,3-HESILA 250	3004249	395
STP 3,5-2	0830131	352	STTB 4-PV	3031542	188	UDMTK 5-P/P	3101087	419	UK 6,3-HESILED 24	3004265	395
STP 3,5-3	0830132	352	STTBS 2,5	3038464	181	UDMTK 5-P/P BU	3101113	419	UK 6-FS/C	3118203	401
STP 4-2	0810575	352	STTBS 2,5 BU	3038493	181	UDMTK 5-TWIN-P/P	3101126	419	UK 6-FS/C-LED12	3001925	401
STP 4-2-ZB	3038613	352	STTBS 2,5-PE	3038480	181	UDMTK 5-TWIN-P/P BU	3101139	419	UK 6-FS/C-LED24	3001938	401
STP 5-2	0800967	352	STTBS 2,5-PV	3038477	181	UDMTKB 5-P/P	3024478	419	UK 10 N	3005073	363
STP 5-2-ZB	3037643	352	STTBS 2,5-PV BU	3035289	181	UGSK 6	3026285	427	UK 10 N BU	3005086	363
STP 5-2/S	0800970	352	STTBS 4	3035056	192	UGSK/S	0305080	421	UK 10,3 HESILED 1000V	3211249	404
STP 5-3	0810562	352	STTBS 4 BU	3035069	192	UGSK/S + GS	0313085	421	UK 10,3-CC HESI N	3048580	403
STS 2,5	3036398	180	STTBS 4-MT	3035470	193	UHK 4-FS(8-2,8-0,8)	2017237	439	UK 10,3-CC HESILED N 600	3048616	403
STS 2,5 BU	3036408	180	STTBS 4-MT BU	3035522	193	UHK 4-FS/FS(12-2,8-0,8)	2017224	439	UK 10,3-HESI 1000V	3211236	404
STS 2,5-MT	3036990	181	STTBS 4-PE	3035072	192	UHKS/S 2000	0704076	362	UK 10,3-HESI 1500V	3062760	406
STS 2,5-MT BU	3035425	181	STTBS 4-PV	3035085	192	UHV -E	2130428	494	UK 10,3-HESI N	3048386	402
STS 2,5-PE	3036411	180	STTBS 4-TG	3035483	193	UHV -TP1	2130402	494	UK 10,3-HESILED N 690	3048399	402
STS 2,5-QUATTRO	3031746	181	STTBU 4	3033155	191	UHV -TP2	2130415	495	UK 10-DREHSI (5X20)	3005109	398
STS 2,5-QUATTRO BU	3036288	181	STTBU 4 BU	3033178	191	UHV 25-AH	2130431	494	UK 10-DREHSI (6,3X32)	3005507	399
STS 2,5-QUATTRO-PE	3031759	181	STTBU 4-PE	3033161	191	UHV 25-AS/AS	2130004	494	UK 10-DREHSI/K (5X25)	3005688	399
STS 2,5-TG	3037009	181	STTBU 4-PV	3033184	191	UHV 25-KH/AS	2130101	494	UK 10-DREHSILA 250 (5X20)	3005170	398
STS 2,5-TWIN	3031720	180	STU 10/4X2,5	3033139	202	UHV 25-KH/KH	2130156	494	UK 10-DREHSILA 250 (6,3X32)	3005662	399
STS 2,5-TWIN BU	3036275	180	STU 10/4X2,5 BU	3033142	202	UHV 25-VS 2	2130541	494	UK 10-DREHSILED 12 (5X20)	3005112	398
STS 2,5-TWIN-PE	3031733	180	STU 2,5-TWIN	3033016	180	UHV 25-VS 3	2130554	494	UK 10-DREHSILED 24 (5X20)	3005138	398
STS 4	3036424	191	STU 2,5-TWIN BU	3033029	180	UHV 50-AH	2130444	494	UK 10-DREHSILED 24 (6,3X32)	3005646	399
STS 4 BU	3036437	191	STU 2,5-TWIN-PE	3033032	180	UHV 50-AS/AS	2130017	494	UK 10-DREHSILED 60 (5X20)	3005154	398
STS 4-PE	3036440	191	STU 35/4X10	3033126	207	UHV 50-KH/AS	2130114	494	UK 10-PLUS	3001381	369
STS 4-QUATTRO	3031681	192	STU 35/4X10 BU	3033210	207	UHV 50-KH/KH	2130169	494	UK 10-PLUS BU	3001475	369
STS 4-QUATTRO BU	3036301	192	STU 4-TWIN	3033058	191	UHV 50-VS 2	5030897	494	UK 10-PLUS-PE	3001420	371
STS 4-QUATTRO-PE	3031694	192	STU 4-TWIN BU	3033061	191	UHV 50-VS 3	2130622	494	UK 10-TWIN	3005196	369
STS 4-TWIN	3031665	191	STU 4-TWIN-PE	3033074	191	UHV 95-AH	2130457	495	UK 10-TWIN BU	3005235	369
STS 4-TWIN BU	3036291	191	SZF 0-0,4X2,5	1204504	86	UHV 95-AS/AS	2130020	495	UK 10-TWIN-PE	3001433	371
STS 4-TWIN-PE	3031678	191	SZF 1-0,6X3,5	1204517	110	UHV 95-KH/AS	2130127	495	UK 16 N	3006043	363
STS 4-TWIN/L	3036592	192	SZF 2-0,8X4,0	1204520	140	UHV 95-KH/KH	2130172	495	UK 16 N BU	3006056	363
STS 4-TWIN/L BU	3036589	192	SZF 3-1,0X5,5	1206612	146	UHV 95-VS 2	2130635	495	UK 35 N	3074130	363
STS 6	3038121	197	SZG 0,6X3,5 VDE	1205121	411	UHV 95-VS 3	2130648	495	UK 35 N BU	3058350	363
STS 6 BU	3038134	197	SZG 0,9X6,5 VDE	1205134	423	UHV150-AH	2130460	495	UK 4-SD	3246861	430
STS 6-PE	3038147	197	SZK PH2 VDE	1205163	486	UHV150-AS/AS	2130033	495	UK 5 N-MT	3000563	417
STS 6-TWIN	3038150	197	SZS 0,4X2,5 VDE	1205037	360	UHV150-KH/AS	2130130	495	UK 5 N-TG	3000604	413
STS 6-TWIN BU	3038163	197	SZS 0,6X3,5	1205053	473	UHV150-KH/KH	2130185	495	UK 5-HEDI N	3000564	393
STS 6-TWIN-PE	3038176	197	SZS 1,0X4,0 VDE	1205066	52	UHV150-VS 2	2130651	495	UK 5-HEDI N GY	3000752	393
STTB 1,5	3031157	168	SZS 1,0X6,5 VDE	1205079	62	UHV150-VS 3	2130664	495	UK 5-HESI	3000539	392
STTB 1,5 BU	3031160	168	SZS 1,2X8,0 VDE	1205082	66	UHV240-AH	2130473	495	UK 5-HESILA 250 N	3000542	392
STTB 1,5-PE	3036013	168	TS			UHV240-AS/AS	2130046	495	UK 5-HESILED 24 N	3000540	392
STTB 1,5-PV	3031526	168	TS-K	1302215	361	UHV240-KH/AS	2130143	495	UK 5-HESILED 60 N	3000541	392
STTB 2,5	3031270	172	TS-KK	2770215	169	UHV240-KH/KH	2130198	495	UK 5-MTD N	3000562	393
STTB 2,5 BU	3031283	172	TS-KK 3 SO	2778534	470	UHV240-VS 2	2130677	495	UK 6-T	3072803	425
STTB 2,5-2DIO/O-UL/O-UR	3031597	179	TS-RTK	0310211	423	UHV240-VS 3	2130680	495	UK 6-T-P	3072800	424
STTB 2,5-2DIO/O-UL/UR-L	3031584	179	TPN-UK	3003062	402	UIK 16	3006153	445	UK 6-TK-P	3072804	425
STTB 2,5-DIO/O-U	3031555	178	TPNS-UK	0706647	455	UIK 16 BU	3006205	445	UK-SI	3118012	400
STTB 2,5-DIO/U-O	3031563	178	TPS 3/20/5	3246586	143	UIK 35	3006182	445	UK-SI BU	3118096	400
STTB 2,5-DIO/UL-UR	3031571	178	TS-GSK	0304214	421	UIK 35 BU	3006302	445	UKD 6	3072801	425
STTB 2,5-L/N	3036330	172	TS-K	1302215	361	UIKN 16 BU	3006166	449	UKH 50	3009118	67
STTB 2,5-LA 24 RD	3031607	179	TS-KK 3	2770215	169						
STTB 2,5-LA 60 RD	3031610	179	TS-KK 3 SO	2778534	470						
STTB 2,5-LA230	3031623	179	TS-RTK	0310211	423						
STTB 2,5-PE	3036026	172	TS-RTK-BEN	3038210	423						
STTB 2,5-PE/L	3036314	172	TS-URTK/SS	0321213	421						
STTB 2,5-PE/N	3036327	172	TS-USST 4/10	3070383	455						
STTB 2,5-PT100 MD	3035564	179	TZ	0306704	412						

# Index

## Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
UKH 50 BU	3009105	67	UKK 5-MTK-P/P	2800004	418	UPBV 2,5/ 2	3045402	238	USST 4	3070338	455
UKH 50 EP	3009228	66	UKK 5-MTK-P/P-LA 24RD/O-U	2800020	418	UPBV 2,5/ 3	3045415	238	USST 4-MT	3070300	457
UKH 50-3L	3076634	67	UKK 5-MTKD-P/P	2800017	418	UPBV 2,5/ 4	3045428	238	USST 4-MT P/P	3070302	457
UKH 50-3L-F	3076638	67	UKK 5-PE	2774211	377	UPBV 2,5/ 5	3045431	238	USST 4-TG	3070301	457
UKH 50-3L/FE	3076636	67	UKK 5-PV	2791388	375	UPBV 2,5/ 6	3045444	238	USST 4-TG P/P	3070303	457
UKH 50-3L/FE-F	3076640	67	UKK 5-TG	3007042	411	UPBV 2,5/ 7	3045457	238	USST 6	3070341	456
UKH 50-3L/N	3076635	67	UKKB 3	2771010	374	UPBV 2,5/ 8	3045460	238	USST 6-T	3070312	458
UKH 50-3L/N-F	3076639	67	UKKB 3 BU	2771094	374	UPBV 2,5/ 9	3045473	238	USST 6-T/5B	3070310	461
UKH 50-3L/N/FE	3076637	67	UKKB 5	2771146	375	UPBV 2,5/10	3045499	238	USST 6-T/SP	3070330	460
UKH 50-3L/N/FE-F	3076641	67	UKKB 5 BU	3216053	375	UPBV 2,5/11	3045509	238	USST 6	3070325	459
UKH 50-F	3247019	67	UKKB 5-PE	3007123	377	UPBV 2,5/12	3045512	238	USST 6/SP	3070331	460
UKH 95	3010013	73	UKKB 10	2772077	376	UPBV 2,5/13	3045525	238	UT 10	3044160	61
UKH 95 BU	3010136	73	UKKB 10-PV	3003567	376	UPBV 2,5/14	3045538	238	UT 10 BU	3044188	61
UKH 95 EP	3009231	72	UKKB 10/2,5	2771007	376	UPBV 2,5/15	3045541	238	UT 10-PE	3044173	61
UKH 95-3L	3076332	73	UKKB 10/2,5-PV	2775485	376	UPBV 4/ 1	3045800	247	UT 10-PE/S	3215054	61
UKH 95-3L-F	3076497	73	UKN 2,5 BU	3032004	447	UPBV 4/ 1 BU	3045266	247	UT 16	3044199	63
UKH 95-3L/FE	3076413	73	UKN 5 BU	3032088	447	UPBV 4/ 1 GNYE	3045279	247	UT 16 BU	3044209	63
UKH 95-3L/FE-F	3076578	73	UKN 6 N BU	3024041	448	UPBV 4/ 1-L	3045716	247	UT 16-PE	3044212	63
UKH 95-3L/N	3076374	73	UKN 10 N BU	3003910	448	UPBV 4/ 1-L BU	3045729	247	UT 16-PE/S	3215915	63
UKH 95-3L/N-F	3076536	73	UP 4-4CT	3208720	246	UPBV 4/ 1-L GNYE	3045732	247	UT 2,5	3044076	31
UKH 95-3L/N/FE	3076455	73	UP 4-4VT	3208721	246	UPBV 4/ 1-M	3045745	247	UT 2,5 BU	3044089	31
UKH 95-3L/N/FE-F	3076617	73	UP 4/ 1	3060115	248	UPBV 4/ 1-M BU	3045758	247	UT 2,5-3L	3214259	32
UKH 95-F	3247022	73	UP 4/ 1 BU	3045282	248	UPBV 4/ 1-M GNYE	3045761	247	UT 2,5-3L-LA24RD/O-M	3214288	32
UKH 150	3010110	75	UP 4/ 1 GNYE	3045295	248	UPBV 4/ 1-R	3045774	247	UT 2,5-3PE	3214275	32
UKH 150 BU	3010123	75	UP 4/ 1-L	3060021	248	UPBV 4/ 1-R BU	3045787	247	UT 2,5-3PV	3214262	32
UKH 150-3L	3076345	75	UP 4/ 1-L BU	3060034	248	UPBV 4/ 1-R GNYE	3045790	247	UT 2,5-MT	3046362	34
UKH 150-3L-F	3076507	75	UP 4/ 1-L GNYE	3060047	248	UPBV 4/ 2	3045813	247	UT 2,5-MT BU	3046553	34
UKH 150-3L/FE	3076426	75	UP 4/ 1-M	3060050	248	UPBV 4/ 3	3045826	247	UT 2,5-MT P/P BU	3046566	34
UKH 150-3L/FE-F	3076581	75	UP 4/ 1-M BU	3060063	248	UPBV 4/ 4	3045839	247	UT 2,5-MT-P/P	3046375	34
UKH 150-3L/N	3076387	75	UP 4/ 1-M GNYE	3060076	248	UPBV 4/ 5	3045842	247	UT 2,5-MTD	3064085	35
UKH 150-3L/N-F	3076549	75	UP 4/ 1-R	3060089	248	UPBV 4/ 6	3045855	247	UT 2,5-MTD BU	3064108	35
UKH 150-3L/N/FE	3076468	75	UP 4/ 1-R BU	3060092	248	UPBV 4/ 7	3045868	247	UT 2,5-MTD P/P	3064098	35
UKH 150-3L/N/FE-F	3076620	75	UP 4/ 1-R GNYE	3060102	248	UPBV 4/ 8	3045871	247	UT 2,5-MTD P/P BU	3064111	35
UKH 150-F	3247035	75	UP 4/ 2	3060128	248	UPBV 4/ 9	3045884	247	UT 2,5-MTD-DIO/L-R	3064137	35
UKH 150/240 EP	3009244	74	UP 4/ 3	3060131	248	UPBV 4/10	3045897	247	UT 2,5-MTD-DIO/R-L	3064140	35
UKH 240	3010217	77	UP 4/ 4	3060144	248	UPBV 4/11	3045907	247	UT 2,5-MTD-PE	3064124	35
UKH 240 BU	0711852	77	UP 4/ 5	3060157	248	UPBV 4/12	3045910	247	UT 2,5-PE	3044092	31
UKH 240-3L	3076358	77	UP 4/ 6	3060160	248	UPBV 4/13	3045923	247	UT 2,5-PE/L/L	3214301	32
UKH 240-3L-F	3076510	77	UP 4/ 7	3060173	248	UPBV 4/14	3045936	247	UT 2,5-PE/L/N	3214291	32
UKH 240-3L/FE	3076439	77	UP 4/ 8	3060186	248	UPBV 4/15	3045949	247	UT 2,5-QUATTRO	3044542	31
UKH 240-3L/FE-F	3076594	77	UP 4/ 9	3060199	248	UPCT 4/2	3057461	244	UT 2,5-QUATTRO BU	3044555	31
UKH 240-3L/N	3076390	77	UP 4/10	3060209	248	UPCT 4/3	3057458	244	UT 2,5-QUATTRO-PE	3044568	31
UKH 240-3L/N-F	3076552	77	UP 4/11	3060212	248	UPR/ 2	3045567	313	UT 2,5-TG	3046388	33
UKH 240-3L/N/FE	3076471	77	UP 4/12	3060225	248	UPRZ	3045570	313	UT 2,5-TG BU	3046579	33
UKH 240-3L/N/FE-F	3076633	77	UP 4/13	3060238	248	UPZ/ 2	3045554	312	UT 2,5-TG-P/P	3046391	33
UKH 240-F	3247048	77	UP 4/14	3060241	248	URDK 6	3026706	427	UT 2,5-TG-P/P BU	3046582	33
UKH 70	3213140	69	UP 4/15	3060254	248	URTK 6	3026272	427	UT 2,5-TWIN	3044513	31
UKH 70 BU	3244601	69	UP 6/ 1	3060610	252	URTK/S	0311087	423	UT 2,5-TWIN BU	3044526	31
UKH 70-3L	3076329	69	UP 6/ 1 BU	3060717	252	URTK/S-BEN 10	0309109	423	UT 2,5-TWIN-PE	3044539	31
UKH 70-3L-F	3076484	69	UP 6/ 1 GNYE	3060720	252	URTK/SP	0311126	429	UT 2,5-TWIN/P	3060490	235
UKH 70-3L/FE	3076400	69	UP 6/ 1-L	3060733	253	URTK/SS	0321019	421	UT 2,5-TWIN/P BU	3060500	235
UKH 70-3L/FE-F	3076565	69	UP 6/ 1-L BU	3060746	253	URTK/SS-PSB	3056608	421	UT 2,5-TWIN/P-P	3061172	321
UKH 70-3L/N	3076361	69	UP 6/ 1-L GNYE	3060759	253	URTKD/SP	0311142	429	UT 2,5-TWIN/P-P-PE	3060513	235
UKH 70-3L/N-F	3076523	69	UP 6/ 1-M	3060762	253	USB 2-RTK/S	0311278	423	UT 2,5/1P	3045017	235
UKH 70-3L/N/FE	3076442	69	UP 6/ 1-M BU	3060775	253	USBR 2-11	3001356	477	UT 2,5/1P BU	3045020	235
UKH 70-3L/N/FE-F	3076604	69	UP 6/ 1-M GNYE	3060788	253	USBR 2-7	2303239	361	UT 2,5/1P-F	3060445	321
UKH 70-F	3247051	69	UP 6/ 1-R	3060791	253	USED 27 N	3048373	409	UT 2,5/1P-PE	3045033	235
UKH 70-PE/S	3213141	69	UP 6/ 1-R BU	3060801	253	USEN 14 N	3048357	408	UT 35	3044225	65
UKH 70/4X10	3213142	70	UP 6/ 1-R GNYE	3060814	253	USEN 18 N	3048360	408	UT 35 BU	3044238	65
UKH 70/4X10 BU	3213143	70	UP 6/ 2	3060623	252	USIG	0920083	400	UT 35-PE	3044241	65
UKH 70/4X10-PE	3213144	71	UP 6/ 3	3060636	252	USIG BU	0920122	400	UT 35-PE/S	3215928	65
UKK 3	2770011	374	UP 6/ 4	3060649	252	USK 4-FS/FS(8-2,8-0-8)	0271017	441	UT 4	3044102	41
UKK 3 BU	2770095	374	UP 6/ 5	3060652	252	USK 4-FSR(4-2,8-0-8)	0270018	441	UT 4 BU	3044115	41
UKK 4-FS	2770561	442	UP 6/ 6	3060665	252	USLKG 1,5 N	3005853	364	UT 4-HEDI	3046249	43
UKK 4-FS/FS	2771133	443	UP 6/ 7	3060678	252	USLKG 10 N	3003923	366	UT 4-HEDI-P/P	3046252	43
UKK 5	2774017	375	UP 6/ 8	3060681	252	USLKG 10 N-1	0442082	366	UT 4-HESI (5X20)	3046032	43
UKK 5 BU	2774091	375	UP 6/ 9	3060694	252	USLKG 16 N	0443023	367	UT 4-HESILA 250 (5X20)	3046100	43
UKK 5-2 BE	3048030	432	UP 6/10	3060704	252	USLKG 16 N-1	0443036	367	UT 4-HESILED 24 (5X20)	3046090	43
UKK 5-2DIO/O-ULUR-UL	2791113	432	UPBV 2,5/ 1	3045145	238	USLKG 2,5 N	0441119	364	UT 4-HESILED 24 (5X20) 120KOHM	3248005	43
UKK 5-BE	3048027	432	UPBV 2,5/ 1 BU	3045240	238	USLKG 2,5 N-1	0443081	364	UT 4-HESILED 60 (5X20)	3046126	43
UKK 5-DIO/O-U	2791016	432	UPBV 2,5/ 1 GNYE	3045253	238	USLKG 3	0441083	365	UT 4-L	3214363	42
UKK 5-DIO/U-O	2791032	432	UPBV 2,5/ 1-L	3045318	239	USLKG 3-1	0441106	365	UT 4-L/HESI (5X20)	3214325	44
UKK 5-DIO/UL-UR	2791029	432	UPBV 2,5/ 1-L BU	3045321	239	USLKG 35 N	3074143	367	UT 4-L/L	3214362	42
UKK 5-HESI (5X20)	3007204	396	UPBV 2,5/ 1-L GNYE	3045334	239	USLKG 5	0441504	365	UT 4-MT	3046139	47
UKK 5-HESI (6,3X32)	3007217	397	UPBV 2,5/ 1-M	3045347	239	USLKG 5-1	0441517	365	UT 4-MT BU	3046278	47
UKK 5-HESILED 24 (5X20)	3026654	396	UPBV 2,5/ 1-M BU	3045350	239	USLKG 50	0443049	67	UT 4-MT-EX	3046141	47
UKK 5-HESILED 24 (6,3X32)	0711632	397	UPBV 2,5/ 1-M GNYE	3045363	239	USLKG 6 N	0442079	365	UT 4-MT-P/P	3046171	47
UKK 5-LA 230	2791359	433	UPBV 2,5/ 1-R	3045376	239	USLKG 6 N-1	0444048	365	UT 4-MT-P/P BU	3046265	47
UKK 5-LA 24 RD/U-O	2791320	433	UPBV 2,5/ 1-R BU	3045389	239	USLKG 95	0441041	73	UT 4-MT-P/P-EX	3046173	47
UKK 5-LA 60 RD/U-O	2791333	433	UPBV 2,5/ 1-R GNYE	3045392	239	USST 10	3070354	456	UT 4-MTD	3046184	50



# Index

## Alphabetical

Type	Order No.	Page	Type	Order No.	Page	Type	Order No.	Page
ZFK 6-DREHSI (5X20)	<a href="#">3025040</a>	199						
ZFK 6-DREHSI (6,3X32)	<a href="#">3025273</a>	199						
ZFK 6-DREHSI/K (5X25)	<a href="#">3029457</a>	199						
ZFK 6-DREHSILA 250 (5X20)	<a href="#">3025590</a>	199						
ZFK 6-DREHSILA 250 (6,3X32)	<a href="#">3025574</a>	199						
ZFK 6-DREHSILED 24 (5X20)	<a href="#">3025600</a>	199						
ZFK 6-DREHSILED 24 (6,3X32)	<a href="#">3025587</a>	199						



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