


KDS10-PE

Order No.: 1704033

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1704033>

PC terminal block, Nominal current: 76 A, Nom. voltage: 320 V,
Pitch: 10 mm, Number of positions: 1, Connection method: Screw
connection, Mounting: Soldering, Conductor/PCB connection direction:
0 °, Color: green-yellow, The article can be aligned to create different
nos. of positions!

Commercial data

GTIN (EAN)	 4 017918 023171
sales group	E530
Pack	50 pcs.
Customs tariff	85369010
Catalog page information	Page 377 (CC-2011)

Product notes

WEEE/RoHS-compliant since:
01/01/2003



[http://
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
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online catalog. For comprehensive
information and data, please refer
to the user documentation. The
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Technical data

Dimensions / positions

Length	36.8 mm
Pitch	10 mm

Number of positions	1
Pin dimensions	1 x 0,9 mm
Hole diameter	1.4 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Technical data

Range of articles	KDS10-PE
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	10 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA
Inflammability class acc. to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	12 mm

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	10 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm ²

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	4 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	6

Certificates / Approvals



Certification

CSA, CUL, GL, GOST, UL

Accessories

Item	Designation	Description
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Assembly

1701065	RZ-KDS10	Pitch spacer, raises the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green
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Bridges

0203276	FBI 10-10	Fixed bridge, Number of positions: 10, Color: silver
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Marking

1053014	ZB10,LGS:FORTL.ZAHLEN	Zack strip, 10-section, printed horizontally: with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white
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Plug/Adapter

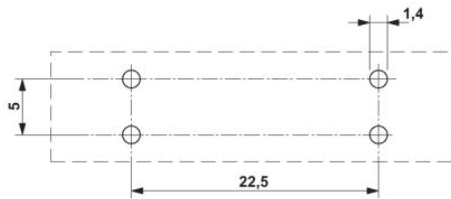
0303299	PSB 4/7/6	Female test connector, Color: silver
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Tools

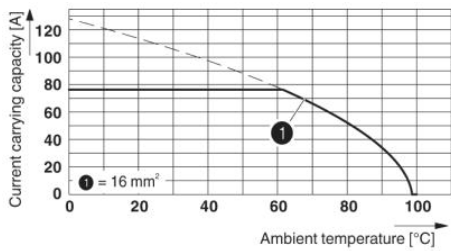
1205066	SZS 1,0X4,0 VDE	Screwdriver, bladed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip
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Diagrams/Drawings

Drilling plan/solder pad geometry



Diagram



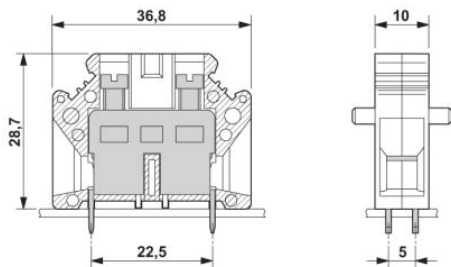
Type: KDS 10

Test following DIN EN 60512-5-2:2003-01

Reduction factor = 1

No. of positions: 5

Dimensioned drawing



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