


**MBK-FS**

Order No.: 1407013

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1407013>

Feed-through modular terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG 24 - 14, Width: 4.5 mm, Color: gray, Mounting type: NS 15

**Commercial data**

GTIN (EAN)	 4 017918 021054
sales group	A105
Pack	200 pcs.
Customs tariff	85369010
Catalog page information	Page 313 (CL-2005)

**Product notes**

WEEE/RoHS-compliant since:  
01/01/2005



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**Technical data****General**

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class acc. to UL 94	V2

**Dimensions**

Width	4.5 mm
Length	22 mm

**Technical data**

Maximum load current	16 A (with 2.5 mm <sup>2</sup> conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	16 A
Nominal voltage U <sub>N</sub>	400 V
Open side panel	nein

**Connection data**

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	1 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm <sup>2</sup>
Cross-section with insertion bridge, solid max.	1.5 mm <sup>2</sup>
Cross-section with insertion bridge, stranded max.	1.5 mm <sup>2</sup>
Connection method	Special and hybrid connection
Stripping length	8 mm
Internal cylindrical gage	A 1
Screw thread	M2,6
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Certificates / Approvals



Certification

CSA

### Accessories

Item	Designation	Description
<b>Assembly</b>		
1413227	ATP-MBK	Partition plate, Length: 42.5 mm, Width: 2.5 mm, Height: 41 mm, Color: gray
1402225	ATS-MBK	Partition plate, Color: gray
1401637	E/MBK	End clamp, width: 6.2 mm, color: gray
1401763	NS 15 AL PERF 2000MM	DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m
1401682	NS 15 PERF 2000MM	DIN rail, material: steel, perforated, height 5.5 mm, width 15 mm, length: 2 m
1401695	NS 15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m
0801791	TP-BK/MBK	Separating plate, Length: 80 mm, Width: 2 mm, Height: 42 mm, Color: gray

**Bridges**

1401158	EB 2- 5	Insertion bridge, Number of positions: 2, Color: gray
1401145	EB 3- 5	Insertion bridge, Number of positions: 3, Color: gray
1401132	EB 10- 5	Insertion bridge, Number of positions: 10, Color: gray

**Marking**

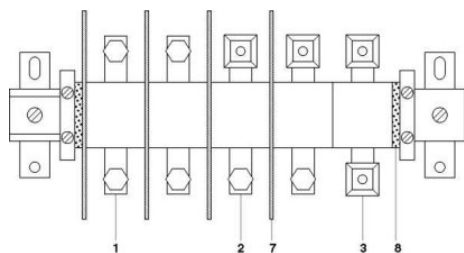
1401404	BN WH	Marker pin, unprinted: for individual labeling with M-PEN, lettering field size: 4 x 4 mm
1400133	BNB-ZB 5,2:SO/CMS	BNB Zack strip, special printing, 10-section, divisible, marking according to customer requirements

**Tools**

1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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**Diagrams/Drawings**

Circuit diagram



- 1 = high current connector, AS screw set on both sides
- 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side
- 3 = high current connector
- 7 = separating plate
- 8 = end piece

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