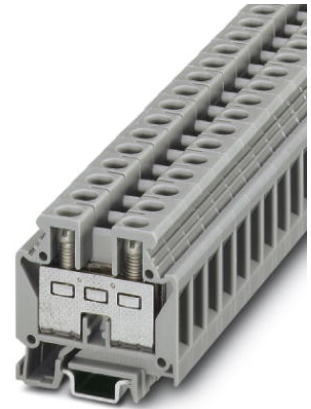


MBK 6/E

Order No.: 0552024



Modular terminal block with screw connection, cross section: 0.5 - 6 mm², AWG: 20 - 8, width: 8.2 mm, color: gray



Commercial data	
EAN	4017918002893
Pack	50 Pcs.
Customs tariff	85369010
Weight/Piece	0.013849 KG
Catalog page information	Page 353 (CL-2007)

Product notes

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



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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	8.2 mm
Length	35 mm

Technical data

Maximum load current	57 A (with 10 mm ² 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 _N	57 A
Nominal voltage U _N	500 V
Open side panel	ja

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	6 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, solid min.	0.5 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.5 mm ²

2 conductors with same cross section, stranded 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.	2.5 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
Cross-section with insertion bridge, solid max.	6 mm ²
Cross-section with insertion bridge, stranded max.	4 mm ²
Type of connection	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

Certificates / Approvals

Approval logo



CSA

Nominal voltage U_N	300 V
Nominal current I_N	50 A
AWG/kcmil	26-8

CUL

Nominal voltage U_N	600 V
Nominal current I_N	50 A
AWG/kcmil	26-8

UL

Nominal voltage U_N	600 V
Nominal current I_N	50 A

AWG/kcmil	26-8
Certification	CSA, CUL, GOST, PRS, UL

requested approbations

Certification Ex:	IECEX, KEMA-EX
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Accessories

Item	Designation	Description
Assembly		
1413227	ATP-MBK	Separating plate, width: 2.5 mm, color: gray
1413049	D-MBK 6/E	Cover, width: 1.5 mm, color: gray
1401637	E/MBK	End bracket, 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
2770215	TS-KK 3	Separating plate, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch, color: Gray

Bridges

0202154	EB 2- 8	Insertion bridge, 2-pos., fully insulated
0202141	EB 3- 8	Insertion bridge, 3-pos., fully insulated
0202138	EB 10- 8	Insertion bridge, 10-pos., divisible, fully insulated
3029224	FB 2- 8-EX	Fixed bridge, for cross connections, with screws, screw heads without insulation, 2-pos.
0202167	FB 3- 8	Fixed bridge, for cross connections, with screws, screw heads without insulation, 3-pos.
0202183	FB 4- 8	Fixed bridge, for cross connections, with screws, screw heads without insulation, 4-pos.
0202170	FB 10- 8	Fixed bridge, for cross connections, with screws, screw heads without insulation, 10-pos.
3003185	FB 10- 8-EX	Fixed bridge, for cross connections, with screws, screw heads without insulation, 10-pos.
0200020	FBI 2- 8	Fixed bridge, for cross connections, with screws, screw heads without insulation, 2-pos.
0200059	FBI 3- 8	Fixed bridge, for cross connections, with screws, screw heads without insulation, 3-pos.

0200046	FBI 4- 8	Fixed bridge, for cross connections, with screws, screw heads without insulation, 4-pos.
0203263	FBI 10- 8	Fixed bridge, 10-pos., screw heads with insulating collar, divisible, with screws
1303337	IS-K 10	Bridge bar isolator, as distance piece
0301534	ISSBI 10- 8	Isolator bridge bar, 10-position, divisible, with screws, for switchable branches
0202235	SB 2- 8/13	Switching bridge, 2-pos.
1415238	SBRN 2-9	Switching bridge, 2-pos.

Marking

1007235	SBS 8:UNBEDRUCKT	Marker cards for modular terminal blocks, color: white
1004128	WS 3- 8	Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 8 mm
1004212	WS 4- 8	Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 8 mm
1004416	WS 5- 8	Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 8 mm
1050512	ZB 8:SO/CMS	Zack strip, 10-section, divisible, special printing, marking according to customer requirements

Plug/Adapter

0311540	KSS 8	Short circuit connector, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, 2-pos., pitch: 8.2 mm, color: Black
0303299	PSB 4/7/6	Test plug socket, not insulated, length: 7 mm, screw thread width: 4 mm, socket width: 6 mm
0303406	PSBJ 4/15/6 BK	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in black
0303354	PSBJ 4/15/6 BU	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in blue
0303419	PSBJ 4/15/6 FARBLOS	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material transparent
0303370	PSBJ 4/15/6 GN	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in green
0303396	PSBJ 4/15/6 GY	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in gray
0303325	PSBJ 4/15/6 RD	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in red
0303383	PSBJ 4/15/6 VT	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in violet
0303312	PSBJ 4/15/6 WH	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in white

0303367	PSBJ 4/15/6 YE	Test plug socket, insulated, length: 15 mm, screw thread width: 4 mm, socket width: 6 mm, insulation material in yellow
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Tools

1205066	SZS 1,0X4,0	Screwdriver, bladed, matches all screw terminal blocks with 10 mm ² and 16 mm ² connection cross section, blade: 1.0 x 4.0 mm
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