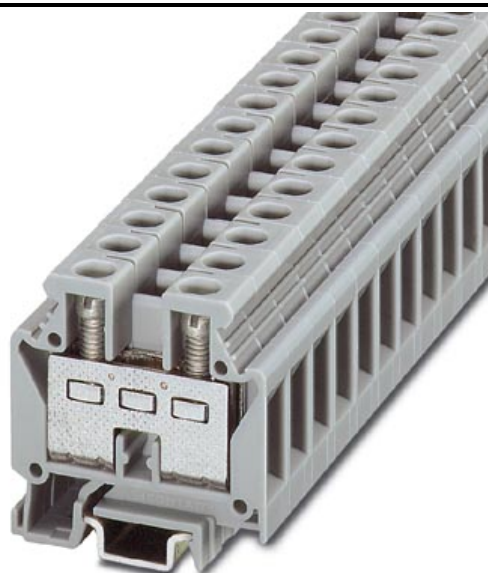


Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

▶ Extract from the online catalog



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

Order No.	0552024
Ord designation	MBK 6/E
EAN	4017918002893
Pack	50 Pcs.
Customs tariff	85369010
Catalog page information	Page 309 (CL-2005)

▶ 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
Contamination class	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC/ DIN VDE
Nominal current I _N	57 A
Nominal voltage U _N	500 V

Connection data

Conductor cross section, rigid min.	0.5 mm ²
Conductor cross section, rigid max.	10 mm ²
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section, flexible max.	6 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	8
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, 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, flexible, min.	0.5 mm ²
2 conductors with same cross section, flexible max.	2.5 mm ²
2 conductors with same cross section, flexible, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with identical cross section, flexible TWIN ferrules with plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, flexible, ferrules without plastic sleeve min.	0.5 mm ²
2 conductors with same cross section, flexible, ferrules without plastic sleeve, max.	2.5 mm ²
Type of connection	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M 4
Tightening torque, min	1.5 Nm

► Certificates

Certificate logos



UL

Comments	Use Group C
Nominal voltage U_N	300 V
Nominal current I_N	50 A
AWG/kcmil	26-8
Comments	Use Group B
Nominal voltage U_N	600 V
Nominal current I_N	50 A
AWG/kcmil	26-8

CSA

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

► 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
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
1401763	NS 15-AL GELOCHT METER	DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m
2770215	TS-KK 3	Separating plate, 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, 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

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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► Address

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