

Feed-through modular terminal block - MBK 6/E - 0552024

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Feed-through modular terminal block, Connection method: Screw connection, Cross section: 0.5 mm² - 10 mm², AWG 20 - 8, Width: 8.2 mm, Color: gray, Mounting type: NS 15

Product description

Feed-through modular terminal block, Connection method: Screw connection, Cross section: 0.5 mm² - 10 mm², AWG 20 - 8, Width: 8.2 mm, Color: gray, Mounting type: NS 15

Why buy this product

- ✓ Separating disks, partition plates, and test sockets complete the range of accessories
- ✓ The MBK... terminal block series represents the top end of the mini terminal block range for 15 mm NS 15 DIN rails
- ✓ Comprehensive bridging material, such as fixed bridges, insertion bridges, and switchable bridges, enable easy and reliable potential branching
- ✓ All MBK ... terminal blocks have a bridging option in the terminal center



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 517 (CL1-2011)
GTIN	 4 017918 002893
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	13.02 GRM
Country of origin	GERMANY

Technical data

General

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

Dimensions

Width	8.2 mm
-------	--------

Feed-through modular terminal block - MBK 6/E - 0552024

Technical data

Dimensions

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	41 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
Connection method	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M4

Feed-through modular terminal block - MBK 6/E - 0552024

Technical data

Connection data

Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

Classifications

eclass

eClass 4.0	27141123
eClass 4.1	27141123
eClass 5.0	27141120
eClass 5.1	27141120
eClass 6.0	27141120

etim

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897

unspsc

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Certificates

Certification

CSA / UL Recognized / cUL Recognized / GOST / PRS / GOST / cULus Recognized

Certification EX

IECEX / ATEX

Certification submitted

Approval details

CSA	
mm ² /AWG/kcmil	26-8

Feed-through modular terminal block - MBK 6/E - 0552024

Approvals

Nominal current IN	50 A
Nominal voltage UN	300 V

UL Recognized			
	B	C	D
mm ² /AWG/kcmil	26-8	26-8	26-8
Nominal current IN	50 A	50 A	5 A
Nominal voltage UN	300 V	300 V	600 V

cUL Recognized			
	B	C	D
mm ² /AWG/kcmil	26-8	26-8	26-8
Nominal current IN	50 A	50 A	5 A
Nominal voltage UN	300 V	300 V	600 V

GOST

PRS

GOST

cULus Recognized

Accessories

Accessories

Assembly

DIN rail - NS 15 AL PERF 2000MM - 1401763

DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m



DIN rail - NS 15 UNPERF 2000MM - 1401695

DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m



Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

DIN rail perforated - NS 15 PERF 2000MM - 1401682



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 5.5 mm, width 15 mm, length: 2000 mm

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

End cover - D-MBK 6/E - 1413049



End cover, Length: 35 mm, Width: 1.5 mm, Color: gray

Separating plate - TS-KK 3 - 2770215



Separating plate, Length: 14 mm, Height: 16 mm, Color: gray

Partition plate - ATP-MBK - 1413227



Partition plate, Length: 42.5 mm, Width: 2.5 mm, Height: 41 mm, Color: gray

Bridges

Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

Bridge bar isolator - IS-K 10 - 1303337

Bridge bar isolator, Color: gray



Bridge bar isolator - ISSBI 10- 8 - 0301534

Bridge bar isolator, Number of positions: 10, Color: silver



Fixed bridge - FBI 2- 8 - 0200020

Fixed bridge, Number of positions: 2, Color: silver



Fixed bridge - FBI 4- 8 - 0200046

Fixed bridge, Number of positions: 4, Color: silver



Fixed bridge - FB 10- 8-EX - 3003185

Fixed bridge, Number of positions: 10, Color: silver



Fixed bridge - FB 2- 8-EX - 3029224

Fixed bridge, Number of positions: 2, Color: silver



Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

Fixed bridge - FBI 10- 8 - 0203263

Fixed bridge, Number of positions: 10, Color: silver



Fixed bridge - FB 4- 8 - 0202183

Fixed bridge, Number of positions: 4, Color: silver



Fixed bridge - FB 10- 8 - 0202170

Fixed bridge, Number of positions: 10, Color: silver



Fixed bridge - FB 3- 8 - 0202167

Fixed bridge, Number of positions: 3, Color: silver



Fixed bridge - FBI 3- 8 - 0200059

Fixed bridge, Number of positions: 3, Color: silver



Insertion bridge - EB 2- 8 - 0202154

Insertion bridge, Number of positions: 2, Color: gray



Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

Insertion bridge - EB 3- 8 - 0202141

Insertion bridge, Number of positions: 3, Color: gray



Insertion bridge - EB 10- 8 - 0202138

Insertion bridge, Number of positions: 10, Color: gray



Switching jumper - SBRN 2-9 - 1415238

Switching bridge, 2-pos.



Switching jumper - SB 2- 8/13 - 0202235

Switching jumper, Number of positions: 2, Color: aluminum



Marking

Zack marker strip - ZB 8:SO/CMS - 1050512

Zack marker strip, white, For terminal block width: 8 mm



Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

Warning label - WS 5- 8 - 1004416

Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 8 mm



Warning label - WS 4- 8 - 1004212

Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 8 mm



Warning label - WS 3- 8 - 1004128

Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 8 mm



Marker cards - SBS 8:UNBEDRUCKT - 1007235

Marker cards, Card, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, Snap into fl



Plug/Adapter

Female test connector - PSBJ 4/15/6 WH - 0303312

Female test connector, Color: white



Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

Female test connector - PSB 4/7/6 - 0303299

Female test connector, Color: silver



Female test connector - PSBJ 4/15/6 BU - 0303354

Female test connector, Color: blue



Female test connector - PSBJ 4/15/6 RD - 0303325

Female test connector, Color: red



Female test connector - PSBJ 4/15/6 GY - 0303396

Female test connector, Color: gray



Female test connector - PSBJ 4/15/6 VT - 0303383

Female test connector, Color: violet



Female test connector - PSBJ 4/15/6 FARBLOS - 0303419

Female test connector, Color: transparent



Feed-through modular terminal block - MBK 6/E - 0552024

Accessories

Female test connector - PSBJ 4/15/6 BK - 0303406

Female test connector, Color: black



Female test connector - PSBJ 4/15/6 GN - 0303370

Female test connector, Color: green



Female test connector - PSBJ 4/15/6 YE - 0303367

Female test connector, Color: yellow



Short-circuit connector - KSS 8 - 0311540

Short-circuit connector, Number of positions: 2, Color: black



Tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066

Screwdriver, bladed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip



Drawings

Feed-through modular terminal block - MBK 6/E - 0552024

Circuit diagram



© Phoenix Contact 2012 - all rights reserved
<http://www.phoenixcontact.com>