

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

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Feed-through modular terminal block, Connection method: Screw connection, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, 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 mm<sup>2</sup> - 10 mm<sup>2</sup>, 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
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# Feed-through modular terminal block - MBK 6/E - 0552024

## Technical data

### Dimensions

Length	35 mm
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### Technical data

Maximum load current	57 A (with 10 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>	41 A
Nominal voltage U <sub>N</sub>	500 V
Open side panel	ja

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 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.	6 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	2.5 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.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	6 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	4 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M4

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## 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 <sup>2</sup> /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 <sup>2</sup> /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 <sup>2</sup> /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

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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



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