

# 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                                 | <br>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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## Technical data

### Dimensions

|        |       |
|--------|-------|
| Length | 35 mm |
|--------|-------|

### 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

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#### Certification

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

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#### Certification EX

IECEX / ATEX

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#### Certification submitted

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## 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



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### 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



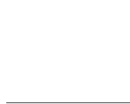
Fixed bridge - FBI 4- 8 - 0200046

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



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### 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



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### 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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