

## Feed-through terminal block - MBK-FS - 1407013

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Feed-through terminal block, Connection method: Special and hybrid connection, Cross section: 0.2 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 24 - 14, Width: 4.5 mm, Color: gray, Mounting type: NS 15

### Product Features

- ✓ Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- ✓ Clear arrangement thanks to marking of all terminal points
- ✓ Easy potential distribution thanks to standardized plug-in bridges



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 1   |
| GTIN                                 | <br>4 017918 021054 |
| Weight per Piece (excluding packing) | 3.42 GRM  |
| Custom tariff number                 | 85369010  |
| 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  |
| Maximum load current                    | 16 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                     | 6 kV  |
| Pollution degree                        | 3   |
| Surge voltage category                  | III   |

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## Technical data

### General

|                                  |               |
|----------------------------------|---------------|
| Insulating material group        | I             |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current $I_N$            | 16 A          |
| Nominal voltage $U_N$            | 400 V         |
| Open side panel                  | nein          |

### Dimensions

|              |        |
|--------------|--------|
| Width        | 4.5 mm |
| Length       | 22 mm  |
| Height NS 15 | 23 mm  |

### Connection data

|   |                               |
|---|-------------------------------|
| Conductor cross section solid min.  | 0.2 mm <sup>2</sup>           |
| Conductor cross section solid max.  | 2.5 mm <sup>2</sup>           |
| Conductor cross section AWG/kcmil min.  | 24                            |
| Conductor cross section AWG/kcmil max.  | 14                            |
| Conductor cross section stranded min.   | 0.2 mm <sup>2</sup>           |
| Conductor cross section stranded max.   | 1.5 mm <sup>2</sup>           |
| Min. AWG conductor cross section, stranded  | 24                            |
| Max. AWG conductor cross section, stranded  | 16                            |
| 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.              | 1.5 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.                 | 1 mm <sup>2</sup>             |
| 2 conductors with same cross section, solid min.  | 0.2 mm <sup>2</sup>           |
| 2 conductors with same cross section, solid max.  | 0.75 mm <sup>2</sup>          |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>           |
| 2 conductors with same cross section, stranded max.                                     | 1 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. | 0.75 mm <sup>2</sup>          |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup>          |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.5 mm <sup>2</sup>           |
| Cross section with insertion bridge, solid max.   | 1.5 mm <sup>2</sup>           |
| Cross section with insertion bridge, stranded max.                                      | 1.5 mm <sup>2</sup>           |
| Connection method   | Special and hybrid connection |
| Stripping length  | 8 mm                          |

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## Technical data

### Connection data

|                           |        |
|---------------------------|--------|
| Internal cylindrical gage | A 1    |
| Screw thread              | M2,6   |
| Tightening torque, min    | 0.5 Nm |
| Tightening torque max     | 0.6 Nm |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141123 |
| eCl@ss 4.1 | 27141123 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

### UNSPSC

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

## Approvals

### Approvals

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Approvals

CSA

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Ex Approvals

# Feed-through terminal block - MBK-FS - 1407013


## Approvals

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Approvals submitted

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## Approval details

|   |       |
|---|-------|
| CSA  |       |
| mm <sup>2</sup> /AWG/kcmil  | 28-14 |
| Nominal current I <sub>N</sub>  | 20 A  |
| Nominal voltage U <sub>N</sub>  | 150 V |

## Accessories

### Accessories

#### Bridge

Insertion bridge - EB 2- 5 - 1401158



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

Insertion bridge - EB 3- 5 - 1401145



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

Insertion bridge - EB 10- 5 - 1401132



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

## Feed-through terminal block - MBK-FS - 1407013

### Accessories

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#### End block

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

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End clamp - E/MK - 1421633



End clamp, width: 6.2 mm, color: gray

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End clamp - E/MK 1 - 1421659



End clamp width: 6 mm, color: gray

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#### Labeled terminal marker

Marker pin Zack strip - BN-ZB 5,2/WH CUS - 0824271



Marker pin Zack strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Plug in, For terminal block width: 5.2 mm, Lettering field: 4 x 4 mm

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#### Mounting rail

## Feed-through terminal block - MBK-FS - 1407013

### Accessories

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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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

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DIN rail - NS 15 AL PERF 2000MM - 1401763



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

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DIN rail - NS 15 WH PERF 2000MM - 1204096



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

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### Partition plate

Separating plate - TP-BK/MBK - 0801791



Separating plate, Length: 80 mm, Width: 2 mm, Height: 42 mm, Color: gray

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## Feed-through terminal block - MBK-FS - 1407013

### Accessories

Partition plate - ATP-MBK - 1413227



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

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Terminal marking

Marker for terminal blocks - BN WH - 1401404



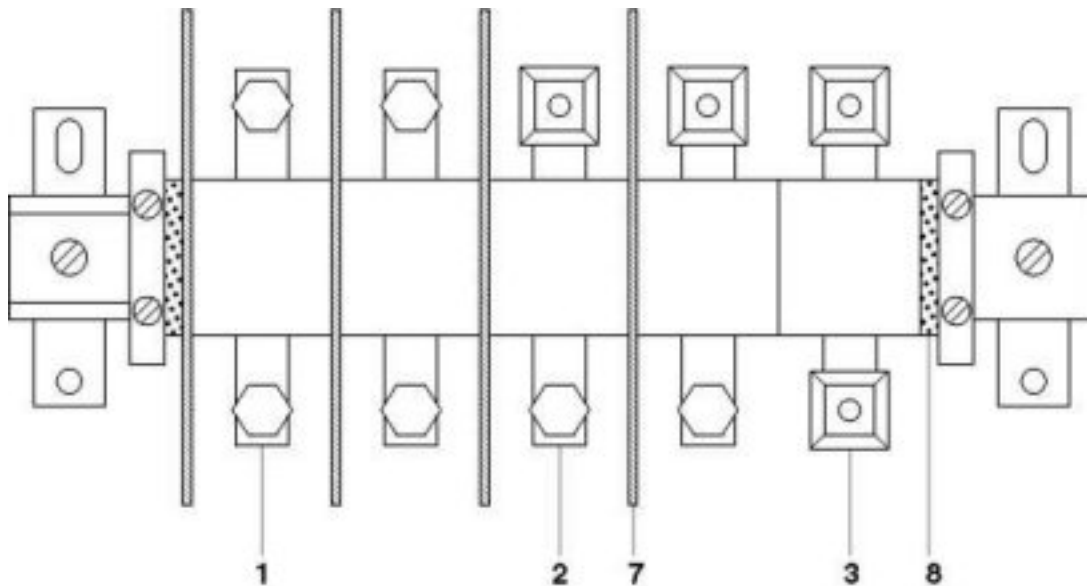
Marker for terminal blocks, Stud, white, Unlabeled, Can be labeled with: Marker pen, Mounting type: Plug in, For terminal block width: 4.2 mm, Lettering field: 4 x 4 mm

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### Drawings

## Feed-through terminal block - MBK-FS - 1407013

Circuit diagram



- 1 = high current connector, AS screw set on both sides
- 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side
- 3 = high current connector
- 7 = separating plate
- 8 = end piece



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