

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

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 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                                                     |

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

## 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                          |

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

### 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

---

Approvals

CSA

---

Ex Approvals

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

### Approvals

---

Approvals submitted

---

### Approval details

|                                                                                       |       |
|---------------------------------------------------------------------------------------|-------|
| CSA  |       |
| mm²/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

---

#### End block

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

---

End clamp - E/MK - 1421633



End clamp, width: 6.2 mm, color: gray

---

End clamp - E/MK 1 - 1421659



End clamp width: 6 mm, color: gray

---

#### 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

---

#### 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

---

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

---

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 WH PERF 2000MM - 1204096



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

---

### Partition plate

Separating plate - TP-BK/MBK - 0801791



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

## 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

---

### 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

---

### Terminal marking

Marker for terminal blocks - BN WH - 1401404



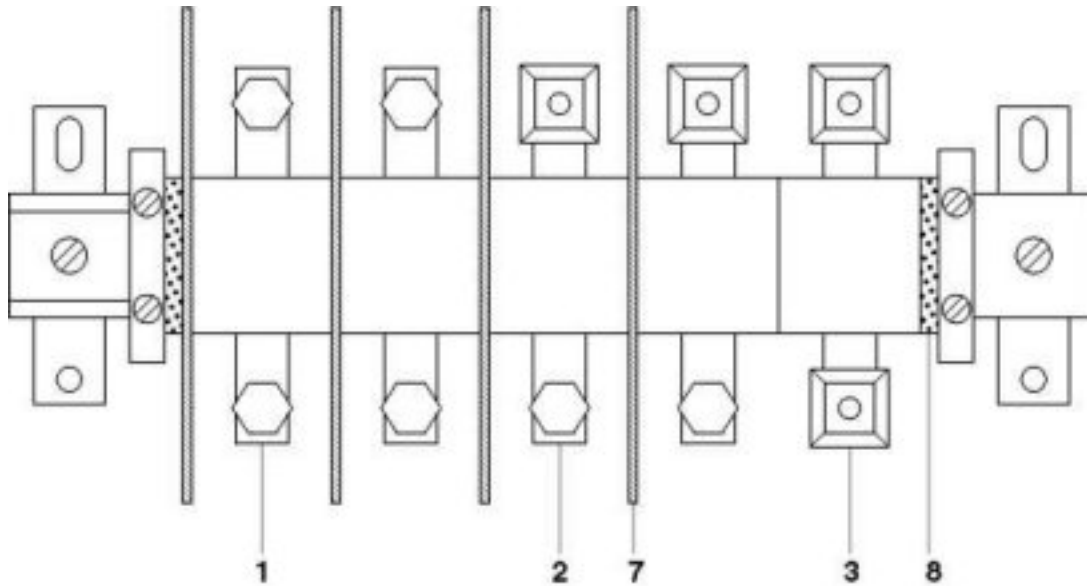
Marker for terminal blocks, Stud, white, Unlabeled, Can be labeled with: Marker pen, Mounting type: Plug in, For terminal block width: 4.2 mm, Lettering field: 4 x 4 mm

---

### 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