

Mini feed-through terminal block - MBK-FS - 1407013

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Mini feed-through terminal block, nom. voltage: 400 V, nominal current: 16 A, connection method: Screw connection, number of connections: 2, cross section: 0.2 mm² - 2.5 mm², AWG: 24 - 14, width: 4.5 mm, color: gray, mounting type: NS 15

Your advantages

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

Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 200 pc |
| GTIN | |
| GTIN | 4017918021054 |

Technical data

General

| | |
|--|--|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V2 |
| Rated surge voltage | 6 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Maximum load current | 16 A (with a 2.5 mm ² conductor cross section) |
| Nominal current I _N | 16 A (current data for slip-on connections in acc. with DIN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.) |

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Technical data

General

| | |
|--|---|
| Nominal voltage U_N | 400 V (voltage data for slip-on connections in acc. with DIN 61210 are also dependent on nominal size, material, insulation of the sleeve and conductor cross section.) |
| Open side panel | No |
| Ambient temperature (operation) | -60 °C ... 85 °C |
| Ambient temperature (storage/transport) | -25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 % |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |

Dimensions

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

Connection data

| | |
|--|---------------------------|
| Connection | 1st level connection left |
| Connection method | Screw connection |
| Screw thread | M2,6 |
| Stripping length | 8 mm |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 14 |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Min. AWG conductor cross section, flexible | 24 |
| Max. AWG conductor cross section, flexible | 16 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1 mm ² |
| Cross section with insertion bridge, solid max. | 1.5 mm ² |
| Cross section with insertion bridge, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1 mm ² |
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, minimum | 0.5 mm ² |

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Technical data

Connection data

| | |
|--|----------------------|
| Two conductors with the same cross section, flexible, with TWIN ferrules, with plastic sleeve, maximum | 0.75 mm ² |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum | 0.25 mm ² |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum | 0.5 mm ² |
| Internal cylindrical gage | A1 |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-1 |
| Flammability rating according to UL 94 | V2 |

Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27141120 |
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27141100 |
| eCl@ss 6.0 | 27141100 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |
| eCl@ss 9.0 | 27141120 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |
| ETIM 6.0 | EC000897 |
| ETIM 7.0 | EC000897 |

UNSPSC

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

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121410 |
| UNSPSC 18.0 | 39121410 |
| UNSPSC 19.0 | 39121410 |
| UNSPSC 20.0 | 39121410 |
| UNSPSC 21.0 | 39121410 |

Approvals


Approvals


Approvals


CSA / EAC / EAC

Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| Nominal voltage UN | | 150 V | |
| Nominal current IN | | 20 A | |
| mm ² /AWG/kcmil | | 28-14 | |

| | | |
|-----|---|---------------|
| EAC |  | EAC-Zulassung |
|-----|---|---------------|

| | | |
|-----|---|--------------------------|
| EAC |  | RU C- DE.BL08.B.00541 |
|-----|---|--------------------------|

Accessories

Accessories

Connector

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Accessories

Connector - C-SCF 1/2,8X0,5 - 3240152



Slip-on sleeve, non-insulated, 0.5 ... 1 mm², 2.8 x 0.5

Connector - C-SCFI 1,5/2,8X0,5 - 3240048



Slip-on sleeve, red, 0.5 ... 1.5 mm², 2.8 x 0.5

Connector - C-SCF 1/2,8X0,8 - 3240153



Slip-on sleeve, non-insulated, 0.5 ... 1 mm², 2.8 x 0.8

Connector - C-SCFI 1,5/2,8X0,8 - 3240049



Slip-on sleeve, red, 0.5 ... 1.5 mm², 2.8 x 0.8

Connector - C-SCF 1,5/6,3X0,8 - 3240156



Slip-on sleeve, non-insulated, 0.5 ... 1.5 mm², 6.3 x 0.8

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Accessories

Connector - C-SCFI 1,5/6,3X0,8 - 3240052



Slip-on sleeve, red, 0.5 ... 1.5 mm², 6.3 x 0.8

Connector - C-SCF 2,5/6,3X0,8 - 3240159



Slip-on sleeve, non-insulated, 1.5 ... 2.5 mm², 6.3 x 0.8

Connector - C-SCFI 2,5/6,3X0,8 - 3240055



Slip-on sleeve, blue, 1.5 ... 2.5 mm², 6.3 x 0.8

Connector - C-SCF 6/6,3X0,8 - 3240160



Slip-on sleeve, non-insulated, 4 ... 6 mm², 6.3 x 0.8

Connector - C-SCFI 6/6,3X0,8 - 3240056



Slip-on sleeve, yellow, 4 ... 6 mm², 6.3 x 0.8

DIN rail

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Accessories

DIN rail, unperforated - NS 15 UNPERF 2000MM - 1401695



DIN rail, unperforated, Standard profile, width: 15 mm, height: 5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 15 PERF 2000MM - 1401682



DIN rail perforated, Standard profile, width: 15 mm, height: 5.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail perforated - NS 15 AL PERF 2000MM - 1401763



DIN rail perforated, Standard profile, width: 15 mm, height: 5.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 15 WH PERF 2000MM - 1204096



DIN rail perforated, Standard profile, width: 15 mm, height: 5.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

End block

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

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Accessories

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

Insertion bridge

Insertion bridge - EB 2- 5 - 1401158



Insertion bridge, pitch: 5 mm, number of positions: 2, color: gray

Insertion bridge - EB 3- 5 - 1401145



Insertion bridge, pitch: 5 mm, number of positions: 3, color: gray

Insertion bridge - EB 10- 5 - 1401132



Insertion bridge, pitch: 5.2 mm, number of positions: 10, color: gray

Insulating sleeve

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Accessories

Insulating sleeve - PT/FS 2,8 - 1406700

Insulating sleeve, as touch protection, slide onto the conductor before for 2.8 slip-on sleeves



Insulating sleeve - PT/FS 6,3 - 0604707

Insulating sleeve, as touch protection, slide onto the conductor before for 6.3 slip-on sleeves



Labeled terminal marker

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



Marker pin Zack strip, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: plug in, for terminal block width: 5.2 mm, lettering field size: 4 x 4 mm, Number of individual labels: 10

Partition plate

Separating plate - TP-BK/MBK - 0801791



Separating plate, length: 80 mm, width: 2 mm, height: 42 mm, color: gray

Partition plate - ATP-MBK - 1413227



Partition plate, length: 42.5 mm, width: 2.5 mm, height: 30.5 mm, color: gray

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Accessories

Partition plate - ATS-MBK - 1402225



Partition plate, length: 30 mm, width: 0.5 mm, height: 26.6 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 size: 4 x 4 mm

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