

MBK 5/E

Order No.: 1415076

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1415076>

Feed-through modular terminal block, Type of connection: Screw connection, Cross section: 0.2 mm² - 4 mm², AWG 24 - 12, Width: 6.2 mm, Color: gray, Mounting type: NS 15

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4017918021368 |
| Pack | 50 pcs. |
| Customs tariff | 85369010 |
| Weight/Piece | 0.00795 KG |
| Catalog page information | Page 125 (CL-2002) |

Product notes

WEEE/RoHS-compliant since:
01/01/2003



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Technical data**General**

| | |
|-----------------------|------|
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |
| Insulating material | PA |

| | |
|------------------------------------|----|
| Inflammability class acc. to UL 94 | V0 |
|------------------------------------|----|

Dimensions

| | |
|--------|--------|
| Width | 6.2 mm |
| Length | 28 mm |

Technical data

| | |
|----------------------------------|---|
| Maximum load current | 32 A (with 4 mm ² 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 _N | 32 A |
| Nominal voltage U _N | 500 V |
| Open side panel | ja |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 4 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm ² |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |

| | |
|---|----------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1.5 mm ² |
| Type of connection | Screw connection |
| Stripping length | 8 mm |
| Internal cylindrical gage | A4 |
| Screw thread | M3 |
| Tightening torque, min | 0.6 Nm |
| Tightening torque max | 0.8 Nm |

Certificates / Approvals



Certification

BV, CSA, CUL, DNV, GOST, PRS, RS, UL

CSA

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 40 A |
| AWG/kcmil | 28-10 |

CUL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 30 A |
| AWG/kcmil | 26-10 |

UL

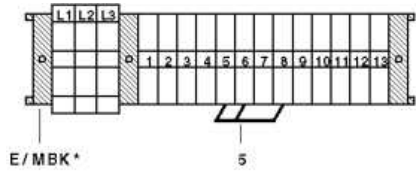
| | |
|-----------------------|-------|
| Nominal voltage U_N | 600 V |
| Nominal current I_N | 30 A |
| AWG/kcmil | 26-10 |

Accessories

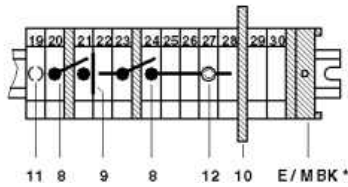
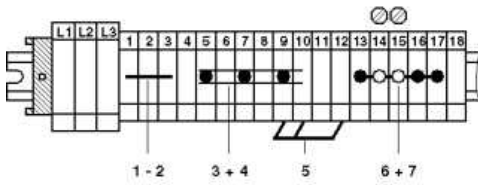
| Item | Designation | Description |
|---------------------|----------------------|--|
| Assembly | | |
| 1413227 | ATP-MBK | Partition plate, Length: 42.5 mm, Width: 2.5 mm, Height: 41 mm, Color: gray |
| 1415021 | D-MBK/E | End cover, Length: 28 mm, Width: 1 mm, Height: 26.2 mm, Color: gray |
| 1401637 | E/MBK | End bracket, width: 6.2 mm, color: gray |
| 0201595 | FB-150 METER | Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long |
| 1401763 | NS 15 AL PERF 2000MM | DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m |
| 1401682 | NS 15 PERF 2000MM | DIN rail, material: steel, perforated, height 5.5 mm, width 15 mm, length: 2 m |
| 1401695 | NS 15 UNPERF 2000MM | DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m |
| 2770215 | TS-KK 3 | Separating plate, Color: gray |
| Bridges | | |
| 0201155 | EB 2- 6 | Cross connector/bridge, Number of positions: 2, Color: gray |
| 0201142 | EB 3- 6 | Cross connector/bridge, Number of positions: 3, Color: gray |
| 0201139 | EB 10- 6 | Cross connector/bridge, Number of positions: 10, Color: gray |
| 0203250 | FBI 10- 6 | Cross connector/bridge, Number of positions: 10, Color: silver |
| 0201650 | FBI 100- 6 | Cross connector/bridge, Number of positions: 100, Color: aluminum |
| 0201867 | FBI 20- 6 | Cross connector/bridge, Number of positions: 20, Color: aluminum |
| 1302338 | IS-K 4 | Bridge bar isolator, Color: gray |
| 0301505 | ISSBI 10- 6 | Switching jumper, Number of positions: 10, Color: silver |
| 1413230 | SBRN 2-7 | Cross connector/bridge, Color: silver |
| 1415238 | SBRN 2-9 | Switching bridge, 2-pos. |
| Marking | | |
| 1400146 | BNB-ZB 6,2:SO/CMS | BNB Zack strip, special printing, 10-section, divisible, marking according to customer requirements |
| Plug/Adapter | | |
| 0601292 | PSB 3/10/4 | Female test connector, Color: silver |
| 0201304 | PSBJ 3/13/4 | Female test connector, Color: silver |
| 0201647 | RPS | Reducing plug, Color: gray |

Diagrams/Drawings

Circuit diagram



- 1 = cover
- 2 = fixed bridge, for cross-connections in the terminal center, screw heads with insulating collar
- 3 = fixed bridge, for cross-connections in the terminal center, with crimped-on rollers
- 4 = insertion bridge
- 5 = isolator bridge bar
- 6 = bridge bar isolator
- 7 = switch bar for 2 terminal blocks
- 8 = separating plate
- 9 = partition plate
- 10 = test plug socket



Address

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