

MBK 5/E-Z

Order No.: 1402940

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1402940>

Modular terminal block with screw connection, cross section: 0.2- 4 mm², AWG: 24- 10, width: 6.2 mm, color: Gray

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4017918116941 |
| Pack | 50 Pcs. |
| Customs tariff | 85369010 |
| Weight/Piece | 0.00632 KG |
| Catalog page information | Page 353 (CL-2007) |

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 | 41 A (with 6 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 | 41 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. | 6 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 | 10 |
| 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 |
| Cross-section with insertion bridge, solid max. | 4 mm ² |
| Cross-section with insertion bridge, stranded max. | 4 mm ² |
| Type of connection | Screw connection |
| Stripping length | 8 mm |
| Internal cylindrical gage | A4 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Certificates / Approvals

Approval logo



CUL

| | |
|--------------------------------|-------|
| Nominal voltage U _N | 600 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 |
| Certification | CUL, PRS, UL |

Accessories

| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

Assembly

| | | |
|---------|---------|--|
| 1413227 | ATP-MBK | Separating plate, width: 2.5 mm, color: gray |
|---------|---------|--|

| | | |
|---------|----------------------|--|
| 1415021 | D-MBK/E | Cover, width: 1 mm, color: gray |
| 1401637 | E/MBK | End bracket, width: 6.2 mm, color: gray |
| 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, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch, color: Gray |

Bridges

| | | |
|---------|------------|---|
| 0201155 | EB 2- 6 | Insertion bridge, 2-pos., fully insulated |
| 0201142 | EB 3- 6 | Insertion bridge, 3-pos., fully insulated |
| 0201139 | EB 10- 6 | Insertion bridge, 10-pos., divisible, fully insulated |
| 0203250 | FBI 10- 6 | Fixed bridge, 10-pos., screw heads with insulating collar, divisible, with screws |
| 0201650 | FBI 100- 6 | Fixed bridge, 100-pos. |
| 0201867 | FBI 20- 6 | Fixed bridge, 20-pos. |
| 1413230 | SBRN 2-7 | Switching bridge, 2-pos. |

Marking

| | | |
|---------|------------------|---|
| 1007222 | SBS 6:UNBEDRUCKT | Marker cards for modular terminal blocks, color: white |
| 1050499 | ZB 6:SO/CMS | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |

Plug/Adapter

| | | |
|---------|------------|--|
| 0601292 | PSB 3/10/4 | Test plug socket, not insulated, length: 10 mm, screw thread width: 3 mm, socket width: 4 mm |
|---------|------------|--|

Tools

| | | |
|---------|-------------|--|
| 1205053 | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm ² connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |
|---------|-------------|--|