

## MZB 1,5

Order No.: 3003716



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3003716>

Feed-through terminal block with spring-cage connection for rail mounting, cross section: 0.14 - 1.5 mm<sup>2</sup>, AWG: 26 - 14, width: 5.2 mm, color: gray



| Commercial data          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918107024      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85369010           |
| Weight/Piece             | 0.00453 KG         |
| Catalog page information | Page 144 (CL-2007) |

#### Product notes

WEEE/RoHS-compliant since:  
01/01/2005



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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  | 5.2 mm |
| Length | 32 mm  |

**Technical data**

|                                  |   |
|----------------------------------|---|
| Maximum load current             | 24 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage              | 8 kV  |
| Pollution degree                 | 3   |
| Surge voltage category           | III   |
| Insulating material group        | I   |
| Connection in acc. with standard | IEC 60947-7-1   |
| Nominal current I <sub>N</sub>   | 24 A  |
| Nominal voltage U <sub>N</sub>   | 800 V   |
| Open side panel                  | ja  |

**Connection data**

|   |                        |
|---|------------------------|
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup>   |
| Conductor cross section solid max.  | 2.5 mm <sup>2</sup>    |
| Conductor cross section stranded min.   | 0.14 mm <sup>2</sup>   |
| Conductor cross section stranded max.   | 1.5 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.  | 26                     |
| Conductor cross section AWG/kcmil max   | 14                     |
| 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.                 | 1.5 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. | 1 mm <sup>2</sup>      |
| Type of connection  | Spring-cage connection |
| Stripping length  | 9 mm                   |

|                           |    |
|---------------------------|----|
| Internal cylindrical gage | A1 |
|---------------------------|----|

**Certificates / Approvals**

Approval logo



**CUL**

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 600 V |
| Nominal current $I_N$ | 15 A  |
| AWG/kcmil             | 26-14 |

**UL**

|                       |                    |
|-----------------------|--------------------|
| Nominal voltage $U_N$ | 600 V              |
| Nominal current $I_N$ | 15 A               |
| AWG/kcmil             | 26-14              |
| Certification         | CUL, GOST, PRS, UL |

**requested approbations**

|                   |         |
|-------------------|---------|
| Certification Ex: | KEMA-EX |
|-------------------|---------|

**Accessories**

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

**Assembly**

|         |                      |   |
|---------|----------------------|---|
| 3024177 | D-MZB 1,5            | Cover, width: 4 mm, color: gray   |
| 3024423 | D-MZB 1,5 BU         | Cover, width: 4 mm, color: blue   |
| 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  |

**Marking**

|         |               |   |
|---------|---------------|---|
| 0803647 | ZBFM 5:SO/CMS | Special printing, Zack marker sheet, flat, 120-section, divisible, marking according to customer requirements |
|---------|---------------|---|

**Tools**

|         |               |  |
|---------|---------------|--|
| 1204517 | SZF 1-0,6X3,5 | Screwdriver, blade: 0.6 x 3.5 x 100 mm, length 180 mm    |
| 3024287 | ZFK-BW 2-5    | Actuation tool, for loosening the tension spring, 2-pos. |

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