

# MZB 1,5-M

Order No.: 3003774




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3003774>

Feed-through modular terminal block, Type of connection: Spring-cage connection, Number of positions: 1, Cross section: 0.14 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG 26 - 14, Width: 5.2 mm, Height: 22 mm, Color: gray



## Commercial data

|                          |   |
|--------------------------|---|
| GTIN (EAN)               | <br>4 017918 107000 |
| sales group              | A611  |
| Pack                     | 50 pcs.   |
| Customs tariff           | 85369010  |
| Catalog page information | Page 168 (CL-2009)  |

## Product notes

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



<http://www.download.phoenixcontact.com>  
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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  |
| Height | 22 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>   | 17.5 A  |
| Nominal voltage U <sub>N</sub>   | 800 V   |
| Number of positions              | 1   |

#### 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.              | 0.14 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.                 | 0.14 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



Certification

CUL, GOST, PRS, UL

Certification Ex:

KEMA-EX

#### Accessories

| Item            | Designation    | Description   |
|-----------------|----------------|---|
| <b>Assembly</b> |                |   |
| 3024180         | D-MZB 1,5-F    | End cover, Width: 4 mm, Color: gray   |
| 3024449         | D-MZB 1,5-F BU | End cover, Width: 4 mm, Color: blue   |
| <b>Marking</b>  |                |   |
| 0803647         | ZBFM 5:SO/CMS  | Special printing, Zack marker sheet, flat, 120-section, divisible, marking according to customer requirements   |
| <b>Tools</b>    |                |   |
| 1204517         | SZF 1-0,6X3,5  | Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
| 3024287         | ZFK-BW 2-5     | Actuation tool, for loosening the tension spring, 2-pos.  |

#### Diagrams/Drawings

Circuit diagram



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