

## GMVSTBR 2,5/ 8-ST

Order No.: 1737767

The figure shows a 10-position version of the product



Plug component, nominal current: 12 A, rated voltage: 500 V, pitch:  
7.5 mm, no. of positions: 8, type of connection: Screw connection

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918028008      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.02018 KG         |
| Catalog page information | Page 236 (CC-2007) |

### Product notes

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



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
online catalog. For comprehensive  
information and data, please refer  
to the user documentation. The  
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### Technical data

#### Dimensions / positions

|                        |         |
|------------------------|---------|
| Pitch                  | 7.5 mm  |
| Dimension a            | 52.5 mm |
| Number of positions    | 8       |
| Screw thread           | M 3     |
| Tightening torque, min | 0.5 Nm  |

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**Technical data**

|                                    |                     |
|------------------------------------|---------------------|
| Insulating material group          | I                   |
| Rated surge voltage (III/3)        | 6 kV                |
| Rated surge voltage (III/2)        | 6 kV                |
| Rated surge voltage (II/2)         | 6 kV                |
| Rated voltage (III/2)              | 630 V               |
| Rated voltage (II/2)               | 1000 V              |
| Connection in acc. with standard   | EN-VDE              |
| Nominal current $I_N$              | 12 A                |
| Nominal voltage $U_N$              | 500 V               |
| Nominal cross section              | 2.5 mm <sup>2</sup> |
| Maximum load current               | 12 A                |
| Insulating material                | PA                  |
| Inflammability class acc. to UL 94 | V0                  |
| Internal cylindrical gage          | A3                  |
| Stripping length                   | 7 mm                |

**Connection data**

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.                                      | 2.5 mm <sup>2</sup>  |
| 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. | 2.5 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.    | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                     | 24                   |
| Conductor cross section AWG/kcmil max                                      | 12                   |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                           | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                        | 0.2 mm <sup>2</sup>  |

|   |                      |
|---|----------------------|
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 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>    |

## Certificates / Approvals

### Approval logo



#### CSA

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 28-12 |

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 30-12 |

#### UL

|                                |                                 |
|--------------------------------|---------------------------------|
| Nominal voltage U <sub>N</sub> | 300 V                           |
| Nominal current I <sub>N</sub> | 10 A                            |
| AWG/kcmil                      | 30-12                           |
| Certification                  | CB, CSA, CUL, GOST, UL, VDE-PZI |

## Accessories

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

### Marking

|         |         |   |
|---------|---------|---|
| 1051993 | B-STIFT | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm |
|---------|---------|---|

|         |                         |   |
|---------|-------------------------|---|
| 0804455 | SK 7,5/3,8:FORTL.ZAHLEN | Marker card, self-adhesive, 10-section marker strip, 12 identical decades marked 1-10, 11-20 etc. up to 91-100, sufficient for 120 terminal blocks                          |
| 0805137 | SK 7,5/3,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white |

#### Plug/Adapter

|         |         |   |
|---------|---------|---|
| 1734634 | CP-MSTB | Coding profile, is inserted into the slot on the plug or inverted header, red insulating material |
|---------|---------|---|

#### Tools

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

#### Additional products

| Item           | Designation      | Description  |
|----------------|------------------|--|
| <b>General</b> |                  |  |
| 1766071        | GMSTB 2,5/ 8-G   | Header, nominal current: 12 A, rated voltage: 400 V, pitch: 7.5 mm, no. of positions: 8, mounting: Soldering |
| 1766408        | GMSTBA 2,5/ 8-G  | Header, nominal current: 12 A, rated voltage: 400 V, pitch: 7.5 mm, no. of positions: 8, mounting: Soldering |
| 1766518        | GMSTBV 2,5/ 8-G  | Header, nominal current: 12 A, rated voltage: 400 V, pitch: 7.5 mm, no. of positions: 8, mounting: Soldering |
| 1766725        | GMSTBVA 2,5/ 8-G | Header, nominal current: 12 A, rated voltage: 400 V, pitch: 7.5 mm, no. of positions: 8, mounting: Soldering |

#### Drawings

Dimensioned drawing

