

## GMVSTBR 2,5/10-ST

Order No.: 1737783

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1737783>Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V,  
Pitch: 7.5 mm, Color: green, Metal surface: Sn

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4017918028022      |
| Note                     | Made-to-order      |
| sales group              | E113               |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.02546 KG         |
| Catalog page information | Page 268 (CC-2009) |

### Product notes

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

<http://www.download.phoenixcontact.com>  
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### Technical data

#### Dimensions / positions

|                        |         |
|------------------------|---------|
| Pitch                  | 7.5 mm  |
| Dimension a            | 67.5 mm |
| Number of positions    | 10      |
| Screw thread           | M3      |
| Tightening torque, min | 0.5 Nm  |

|                                     |                     |
|-------------------------------------|---------------------|
| Tightening torque max               | 0.6 Nm              |
| <b>Technical data</b>               |                     |
| 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                |
| Nominal voltage, UL/CUL Use Group B | 250 V               |
| Nominal current, UL/CUL Use Group B | 12 A                |
| Nominal voltage, UL/CUL Use Group D | 300 V               |
| Nominal current, UL/CUL Use Group D | 10 A                |

**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>    |
| Minimum AWG according to UL/CUL   | 30                   |
| Maximum AWG according to UL/CUL   | 12                   |

#### Certificates / Approvals



Certification

CB, CSA, CUL, GOST, UL, VDE-PZI

#### CSA

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 28-12 |

#### CUL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 30-12 |

#### UL

|                       |       |
|-----------------------|-------|
| Nominal voltage $U_N$ | 300 V |
| Nominal current $I_N$ | 10 A  |
| AWG/kcmil             | 30-12 |

**Accessories**

| Item           | Designation             | Description  |
|----------------|-------------------------|--|
| <b>Marking</b> |                         |  |
| 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 |

|                     |         |   |
|---------------------|---------|---|
| <b>Plug/Adapter</b> |         |   |
| 1734634             | CP-MSTB | Keying profile, is inserted into the slot on the plug or inverted header, red insulating material |

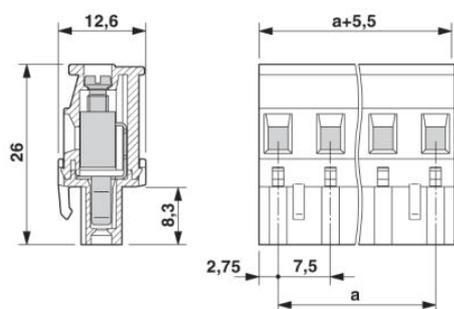
|              |             |  |
|--------------|-------------|--|
| <b>Tools</b> |             |  |
| 1205053      | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |

**Additional products**

| Item           | Designation         | Description   |
|----------------|---------------------|---|
| <b>General</b> |                     |   |
| 1766097        | GMSTB 2,5/10-G      | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Pitch: 7.5 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |
| 1766204        | GMSTB 2,5/10-G-7,62 | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Pitch: 7.62 mm, Color: green, Metal surface: Sn, Assembly: Soldering |
| 1766424        | GMSTBA 2,5/10-G     | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Pitch: 7.5 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |
| 1766741        | GMSTBVA 2,5/10-G    | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Pitch: 7.5 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |

**Diagrams/Drawings**

Dimensioned drawing



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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