

## GMSTB 2,5/ 9-ST-7,62


Order No.: 1767070

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1767070>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V,  
Number of positions: 9, Pitch: 7.62 mm, Connection method: Screw  
connection, Color: green, Contact surface: Tin

### Commercial data

|                          |   |
|--------------------------|---|
| GTIN (EAN)               |  |
| sales group              | E113  |
| Pack                     | 50 pcs.   |
| Customs tariff           | 85366990  |
| Catalog page information | Page 306 (CC-2011)  |

### Product notes

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



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

#### Dimensions / positions

|                     |          |
|---------------------|----------|
| Pitch               | 7.62 mm  |
| Dimension a         | 60.96 mm |
| Number of positions | 9        |
| Screw thread        | M3       |

|                        |        |
|------------------------|--------|
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

**Technical data**

|   |                     |
|---|---------------------|
| Range of articles                       | GMSTB 2,5/...-ST    |
| 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 $U_N$                   | 400 V               |
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 12 A                |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V2                  |
| 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

#### Accessories

| Item           | Designation              | Description   |
|----------------|--------------------------|---|
| <b>General</b> |                          |   |
| 1783821        | KGS-MSTB 2,5/13          | Cable housing, Pitch: 0 mm, Number of positions: 13, Dimension a: 65 mm, Color: green   |
| <b>Marking</b> |                          |   |
| 1051993        | B-STIFT                  | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm   |
| 0804549        | SK 7,62/3,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 12 identical sets labeled 1 - 10, 11 - 20, and so on up to 91 - 99, enough to label 120 terminal blocks |

|         |                |   |
|---------|----------------|---|
| 0805153 | SK 7,62/3,8: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 | Keying profile, is inserted into the slot on the plug or inverted header, red insulating material |
|---------|---------|---|

**Tools**

|         |             |  |
|---------|-------------|--|
| 1205053 | SZS 0,6X3,5 | Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|-------------|--|

**Additional products**

| Item           | Designation           | Description  |
|----------------|-----------------------|--|
| <b>General</b> |                       |  |
| 1828870        | GIC 2,5/ 9-ST-7,62    | Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 9, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin |
| 1766194        | GMSTB 2,5/ 9-G-7,62   | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 9, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Assembly: Soldering                         |
| 1766301        | GMSTBA 2,5/ 9-G-7,62  | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 9, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Assembly: Soldering                         |
| 1766631        | GMSTBV 2,5/ 9-G-7,62  | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 9, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Assembly: Soldering                         |
| 1766848        | GMSTBVA 2,5/ 9-G-7,62 | Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 9, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Assembly: Soldering                         |

**Diagrams/Drawings**

## Dimensioned drawing



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