

# Printed-circuit board connector - GMVSTBR 2,5/ 5-STF-7,62 - 1847916

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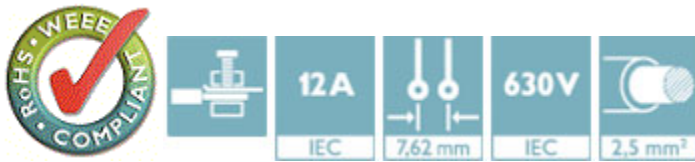
Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Why buy this product

- Versions with screw flange and 7.62 mm pitch
- Plug-in direction vertical to the conductor axis
- Plugs for 630 V applications (III/2)



## Key Commercial Data

|                      |          |
|----------------------|----------|
| Packing unit         | 1 STK    |
| Custom tariff number | 85366990 |
| Country of origin    | Germany  |

## Technical data

### Environmental Product Compliance

|            |  |
|------------|--|
| China RoHS | Hazardous substances above threshold values;                             |
|            | Environmentally Friendly Use Period = 50;                                |
|            | For details go to tab "Downloads", Category "Manufacturer's declaration" |

### Dimensions

|             |          |
|-------------|----------|
| Length      | 26 mm    |
| Height      | 12.5 mm  |
| Width       | 48.54 mm |
| Pitch       | 7.62 mm  |
| Dimension a | 30.48 mm |

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## Technical data

### General

|  |                                      |
|--|--------------------------------------|
| Range of articles                      | GMVSTBR 2,5/...-STF                  |
| Type of contact                        | Female connector                     |
| Number of positions                    | 5                                    |
| Connection method                      | Screw connection with tension sleeve |
| 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/3)                  | 500 V                                |
| 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 cross section                  | 2.5 mm <sup>2</sup>                  |
| Maximum load current                   | 12 A                                 |
| Insulating material                    | PA                                   |
| Flammability rating according to UL 94 | V0                                   |
| Internal cylindrical gage              | A3                                   |
| Stripping length                       | 7 mm                                 |
| Screw thread                           | M3                                   |
| Tightening torque, min                 | 0.5 Nm                               |
| Tightening torque max                  | 0.6 Nm                               |

### 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 flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG 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>  |

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## Technical data

### Connection data

|   |                      |
|---|----------------------|
| 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                   |

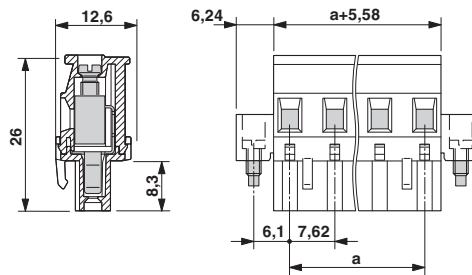
### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CSA    |
| Flammability rating according to UL 94 | V0     |

## Drawings

Dimensional drawing

Diagram



## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

## Approvals


### Approvals


#### Approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / EAC / EAC / cULus Recognized

#### Ex Approvals

### Approval details


|   |       |       |
|---|-------|-------|
| CSA  <a href="http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing-13631">http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing-13631</a> |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-12 | 28-12 |
| Nominal current I <sub>N</sub>  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |

|  |       |       |
|--|-------|-------|
| UL Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> FILE E 60425 |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>   | 15 A  | 10 A  |


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## Approvals


|                    | B     | D     |
|--------------------|-------|-------|
| Nominal voltage UN | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung  <http://www.vde.de> 40004701

|                            |         |
|----------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
| Nominal current IN         | 12 A    |
| Nominal voltage UN         | 400 V   |

cUL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425


|                            | B     | D     |
|----------------------------|-------|-------|
| mm <sup>2</sup> /AWG/kcmil | 30-12 | 30-12 |
| Nominal current IN         | 15 A  | 10 A  |
| Nominal voltage UN         | 300 V | 300 V |

IECEE CB Scheme  <http://www.iecee.org/> DE1-56062-B1B2

|                            |         |
|----------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
| Nominal current IN         | 12 A    |
| Nominal voltage UN         | 400 V   |

EAC EAC-Zulassung

EAC B.01742

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

## Accessories

Accessories

Coding element

## Printed-circuit board connector - GMVSTBR 2,5/ 5-STF-7,62 - 1847916

### Accessories

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



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### Labeled terminal marker

Marker card - SK 7,62/3,8:FORTL.ZAHLEN - 0804549



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Adhesive, for terminal block width: 7.62 mm, Lettering field: 7.62 x 3.8 mm

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

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### Additional products

Base strip - GMSTB 2,5/ 5-GF-7,62 - 1806258

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering



## Printed-circuit board connector - GMVSTBR 2,5/ 5-STF-7,62 - 1847916

### Accessories

Base strip - GMSTBV 2,5/ 5-GF-7,62 - 1829183

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 5, Pitch: 7.62 mm, Color: green,  
Contact surface: Tin, Mounting: Wave soldering

