

## Printed-circuit board connector - GMVSTBR 2,5/ 2-ST - 1737709

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.5 mm, Connection method: Screw connection, 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
- ☒ Conductor entry on the keying side of the plug
- ☒ Plugs for 630 V applications (III/2)



### Key commercial data

|                        |                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit           | 1                                                                                                       |
| Minimum order quantity | 50                                                                                                      |
| Catalog page           | Page 308 (CC-2011)                                                                                      |
| GTIN                   | <br>4 017918 027940 |
| Custom tariff number   | 85366990                                                                                                |
| Country of origin      | GERMANY                                                                                                 |

### Technical data

#### Dimensions / positions

|                        |        |
|------------------------|--------|
| Pitch                  | 7.5 mm |
| Dimension a            | 7.5 mm |
| Number of positions    | 2      |
| Screw thread           | M3     |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

#### Technical data

|                             |                   |
|-----------------------------|-------------------|
| Range of articles           | GMVSTBR 2,5/..-ST |
| Insulating material group   | I                 |
| Rated surge voltage (III/3) | 6 kV              |

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## Technical data

### Technical data

|                                         |                     |
|-----------------------------------------|---------------------|
| 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 <sub>N</sub>          | 12 A                |
| Nominal voltage U <sub>N</sub>          | 500 V               |
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 12 A                |
| Insulating material                     | PA                  |
| Inflammability class according 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                   |

## Printed-circuit board connector - GMVSTBR 2,5/ 2-ST - 1737709

### Technical data

#### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 12 |
|---------------------------------|----|

### Classifications

#### eclass

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

#### 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

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##### Approvals

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / GOST / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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##### Approval details

## Printed-circuit board connector - GMVSTBR 2,5/ 2-ST - 1737709

### Approvals

| CSA  |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
|                                                                                       | 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  |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                 | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                      | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                  | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 250 V | 300 V |

| VDE report with production monitoring  |         |
|---------------------------------------------------------------------------------------------------------------------------|---------|
|                                                                                                                           |         |
| mm <sup>2</sup> /AWG/kcmil                                                                                                | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                                            | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                                            | 400 V   |

| cUL Recognized  |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
|                                                                                                    | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                                         | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                     | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 250 V | 300 V |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|------------------------------------------------------------------------------------------|--|

| IECEE CB Scheme                |         |
|--------------------------------|---------|
|                                |         |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage U <sub>N</sub> | 400 V   |

## Printed-circuit board connector - GMVSTBR 2,5/ 2-ST - 1737709

### Approvals



cULus Recognized 

### Accessories

#### Accessories

#### Marking

Marker cards - SK 7,5/3,8:FORTL.ZAHLEN - 0804455



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100,  
Mounting type: Adhesive, For terminal block width: 7.5 mm

#### Plug/Adapter

Coding profile - CP-MSTB - 1734634



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

#### 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

#### Additional products

## Printed-circuit board connector - GMVSTBR 2,5/ 2-ST - 1737709

### Accessories

Base strip - GMSTBVA 2,5/ 2-G - 1766660

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - GMSTBA 2,5/ 2-G - 1766343

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - GMSTBV 2,5/ 2-G - 1766453

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



Base strip - GMSTB 2,5/ 2-G - 1766013

Header, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.5 mm, Color: green, Contact surface: Tin, Assembly: Soldering



### Drawings

Dimensioned drawing



