

## Printed-circuit board connector - GMVSTBW 2,5/12-ST - 1737916

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 12, Pitch: 7.5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Product Features

- ☒ Versions with screw flange and 7.62 mm pitch
- ☒ Plug-in direction vertical to the conductor axis
- ☒ Conductor entry on the rippled side of the plug
- ☒ Plugs for 630 V applications (III/2)



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 028152 |
| Weight per Piece (excluding packing) | 30.03 GRM                                                                                               |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Height      | 17.7 mm |
| Pitch       | 7.5 mm  |
| Dimension a | 82.5 mm |

#### General

|                           |                    |
|---------------------------|--------------------|
| Range of articles         | GMVSTBW 2,5/...-ST |
| Insulating material group | I                  |

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## Technical data

### General

|                                         |                     |
|-----------------------------------------|---------------------|
| 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                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 7 mm                |
| Number of positions                     | 12                  |
| 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 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>    |

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### Technical data

#### Connection data

|                                                                                         |         |
|-----------------------------------------------------------------------------------------|---------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm²   |
| Minimum AWG according to UL/CUL                                                         | 30      |
| Maximum AWG according to UL/CUL                                                         | 12      |

### 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 |

#### 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 / GOST / IECCEB Scheme / GOST / cULus Recognized

#### Ex Approvals

## Printed-circuit board connector - GMVSTBW 2,5/12-ST - 1737916

### Approvals

Approvals submitted

### Approval details

|                                                                                       |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                       | B     | D     |
| mm²/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     |
| mm²/AWG/kcmil                                                                                    | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                   | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V |

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
|                                                                                                                             |         |
| mm²/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     |
| mm²/AWG/kcmil                                                                                      | 30-12 | 30-12 |
| Nominal current I <sub>N</sub>                                                                     | 15 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V | 300 V |

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## Approvals

GOST



|                                                                                                   |         |
|---------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm²/AWG/kcmil                                                                                     | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                    | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                    | 400 V   |

GOST



cULus Recognized



## Drawings

Dimensioned drawing

