

## Printed-circuit board connector - GMVSTBW 2,5/ 2-ST - 1737819

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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

### 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

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918028053 |

### Technical data

#### Dimensions

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

#### General

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | GMVSTBW 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/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                  |

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## Technical data

### General

|                           |        |
|---------------------------|--------|
| Internal cylindrical gage | A3     |
| Stripping length          | 7 mm   |
| Number of positions       | 2      |
| 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>    |
| 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                   |

## 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 |

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## classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 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

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

### Approval details

| CSA  |       |       |
|-----------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                               | B     | D     |
| Nominal voltage UN                                                                      | 300 V | 300 V |
| Nominal current IN                                                                      | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                           | 28-12 | 28-12 |

| UL Recognized  |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                         | B     | D     |
| Nominal voltage UN                                                                                | 300 V | 300 V |
| Nominal current IN                                                                                | 15 A  | 10 A  |
| mm²/AWG/kcmil                                                                                     | 30-12 | 30-12 |

|                                                                                                                             |       |
|-----------------------------------------------------------------------------------------------------------------------------|-------|
| VDE Gutachten mit Fertigungsüberwachung  |       |
| Nominal voltage UN                                                                                                          | 400 V |

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### approvals

|                                |         |
|--------------------------------|---------|
|                                |         |
| Nominal current I <sub>N</sub> | 12 A    |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |

| cUL Recognized  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                        | B     | D     |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V |
| Nominal current I <sub>N</sub>                                                                   | 15 A  | 10 A  |
| mm <sup>2</sup> /AWG/kcmil                                                                       | 30-12 | 30-12 |

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

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

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

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

|                                                                                                      |  |
|------------------------------------------------------------------------------------------------------|--|
| cULus Recognized  |  |
|------------------------------------------------------------------------------------------------------|--|

### accessories

#### Screwdriver tools

## Printed-circuit board connector - GMVSTBW 2,5/ 2-ST - 1737819

### accessories

SZS 0,6X3,5 - 1205053



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### Coding element

CP-MSTB - 1734634



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### Labeled terminal marker

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



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



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### Terminal marking

SK U/3,8 WH:UNBEDRUCKT - 0803906



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accessories

**Marker pen**

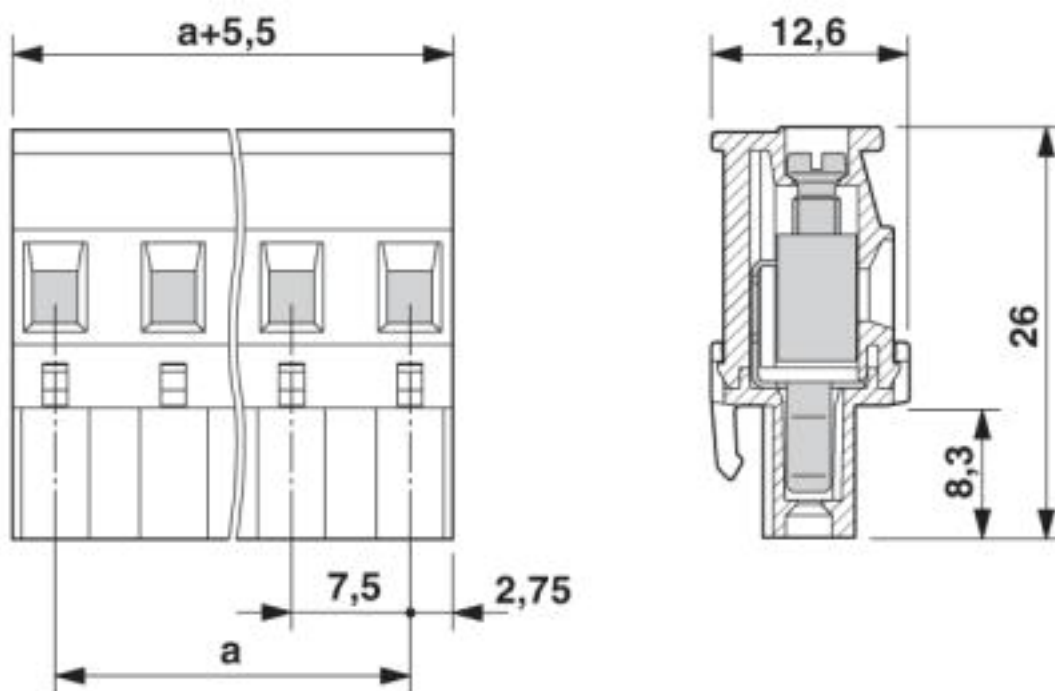
B-STIFT - 1051993



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### Drawings

Dimensioned drawing



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