

## Plug - MSTB 2,5/20-STF-5,08 - 1778166

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 20, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918040031 |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 96.52 mm |

#### General

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Range of articles                       | MSTB 2,5/...-STF                                        |
| Insulating material group               | I                                                       |
| Rated surge voltage (III/3)             | 4 kV                                                    |
| Rated surge voltage (III/2)             | 4 kV                                                    |
| Rated surge voltage (II/2)              | 4 kV                                                    |
| Rated voltage (III/3)                   | 250 V                                                   |
| Rated voltage (III/2)                   | 320 V                                                   |
| Rated voltage (II/2)                    | 630 V                                                   |
| Connection in acc. with standard        | EN-VDE                                                  |
| Nominal current I <sub>N</sub>          | 12 A                                                    |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                     |
| Maximum load current                    | 12 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA                                                      |
| Inflammability class according to UL 94 | V0                                                      |
| Internal cylindrical gage               | A3                                                      |
| Stripping length                        | 7 mm                                                    |
| Number of positions                     | 20                                                      |
| Screw thread                            | M3                                                      |
| Tightening torque, min                  | 0.5 Nm                                                  |
| Tightening torque max                   | 0.6 Nm                                                  |

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### Technical data

#### 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. | 1.5 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 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |

#### ETIM

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

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## classifications

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211810 |
| <b>UNSPSC 7.0901</b> | 39121409 |
| <b>UNSPSC 11</b>     | 39121409 |
| <b>UNSPSC 12.01</b>  | 39121409 |
| <b>UNSPSC 13.2</b>   | 39121409 |

## approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / GL / RS / IECCEB Scheme / GOST / CCA / cULus Recognized /

### Approval details

| <b>CSA</b>  |       |       |
|----------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                    | B     | D     |
| Nominal voltage UN                                                                           | 300 V | 300 V |
| Nominal current IN                                                                           | 15 A  | 15 A  |
| mm²/AWG/kcmil                                                                                | 28-12 | 28-12 |

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

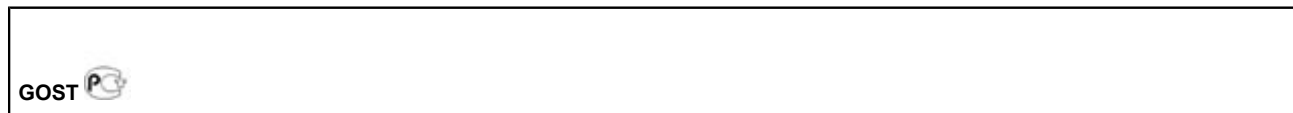
| <b>VDE Gutachten mit Fertigungsüberwachung</b>  |         |
|------------------------------------------------------------------------------------------------------------------------------------|---------|
|                                                                                                                                    |         |
| Nominal voltage UN                                                                                                                 | 250 V   |
| Nominal current IN                                                                                                                 | 12 A    |
| mm²/AWG/kcmil                                                                                                                      | 0.2-2.5 |

| <b>cUL Recognized</b>  |       |       |
|-----------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                                 | B     | D     |
| Nominal voltage UN                                                                                        | 300 V | 300 V |

## Plug - MSTB 2,5/20-STF-5,08 - 1778166

### approvals

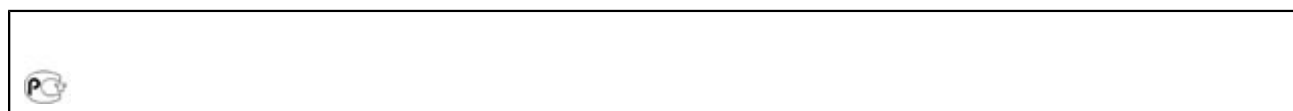
| Usegroups                      | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 15 A  | 10 A  |
| mm <sup>2</sup> /AWG/kcmil     | 30-12 | 30-12 |



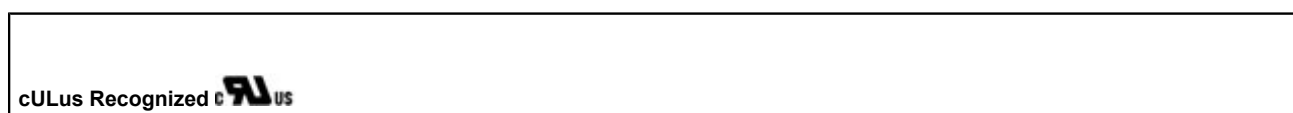
| GL                             |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 250 V |
| Nominal current I <sub>N</sub> | 8 A   |
| mm <sup>2</sup> /AWG/kcmil     | 2,5   |

| RS |
|----|
|----|

| IECEE CB Scheme  |         |
|-----------------------------------------------------------------------------------------------------|---------|
| Nominal voltage U <sub>N</sub>                                                                      | 250 V   |
| Nominal current I <sub>N</sub>                                                                      | 12 A    |
| mm <sup>2</sup> /AWG/kcmil                                                                          | 0.2-2.5 |



| CCA                            |         |
|--------------------------------|---------|
| Nominal voltage U <sub>N</sub> | 250 V   |
| Nominal current I <sub>N</sub> | 12 A    |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |



### accessories

#### Screwdriver tools

## Plug - MSTB 2,5/20-STF-5,08 - 1778166

### accessories

SZS 0,6X3,5 - 1205053



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### Labeled terminal marker

SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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### Terminal marking

SK U/3,8 WH:UNBEDRUCKT - 0803906



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### Coding element

CP-MSTB - 1734634



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### Marker pen

B-STIFT - 1051993



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## accessories

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X-PEN 0,35 - 0811228



## Bridge

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EBP 2- 5 - 1733169



EBP 4- 5 - 1733185



EBP 5- 5 - 1733198



EBP 3- 5 - 1733172



## Plug - MSTB 2,5/20-STF-5,08 - 1778166

accessories

EBP 6- 5 - 1733208



accessories

SK 5,08/3,8:SO - 0805085



## Drawings

Dimensioned drawing

