

## Printed-circuit board connector - MSTBT 2,5/ 4-ST GY - 1917480

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Connection method: Screw connection, Color: gray, Contact surface: Tin



The figure shows a 10-position version of the product

### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 6.4 g    |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Pitch       | 5.00 mm |
| Dimension a | 15 mm   |

#### General

|                                  |   |
|----------------------------------|---|
| Range of articles                | MSTBT 2,5/...-ST  |
| 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 $I_N$            | 12 A  |
| Nominal cross section            | 2.5 mm <sup>2</sup>                                       |
| Maximum load current             | 12 A (with a 2.5 mm <sup>2</sup> conductor cross section) |

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## Technical data

### General

|  |        |
|--|--------|
| Insulating material                    | PA     |
| Flammability rating according to UL 94 | V2     |
| Internal cylindrical gage              | A3     |
| Stripping length                       | 7 mm   |
| Number of positions                    | 4      |
| 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.                 | 1.5 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>  |
| 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 |
|------------|----------|

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## Classifications

### eCl@ss

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

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#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / CCA / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted


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#### Approval details

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## 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 |

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

|   |         |
|---|---------|
| 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>  | 250 V   |

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

|     |
|-----|
| EAC |
|-----|

|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /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 |

