

# Printed-circuit board connector - MSTB 2,5/12-STZ-5,08 - 1764280

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The figure shows a 10-position version of the product

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

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## Product Features

- ✓ Plug-in direction parallel to the conductor axis
- ✓ Standard plug-in system for 320 V (III/2)
- ✓ Individual position coding by inserting coding profiles



## Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 031718 |
| Weight per Piece (excluding packing) | 24.05 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

## Technical data

### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 55.88 mm |

### General

|                             |                  |
|-----------------------------|------------------|
| Range of articles           | MSTB 2,5/...-STZ |
| Insulating material group   | I                |
| Rated surge voltage (III/3) | 4 kV             |
| Rated surge voltage (III/2) | 4 kV             |

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## Technical data

### General

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| 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) |
| 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 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.                 | 2.5 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>  |

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## Technical data

### Connection data

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

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### 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 / IECCEB Scheme / CCA / EAC / cULus Recognized

#### Ex Approvals

## Printed-circuit board connector - MSTB 2,5/12-STZ-5,08 - 1764280

## Approvals

Approvals submitted

## Approval details

|                                                                                       |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                       | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                            | 28-12 | 28-12 |
| Nominal current I <sub>N</sub>                                                        | 15 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 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   |

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

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## Approvals

|                                                                                                   |         |
|---------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm²/AWG/kcmil                                                                                     | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                    | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                    | 250 V   |

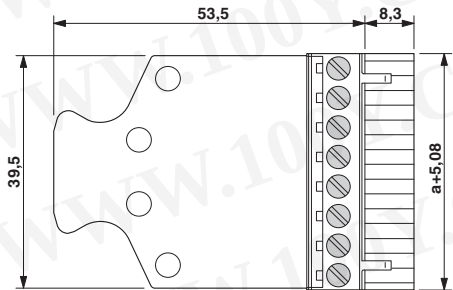
|                                |         |
|--------------------------------|---------|
| CCA                            |         |
| mm²/AWG/kcmil                  | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 12 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

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

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

## Drawings

Dimensional drawing



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The illustration shows the dimensional drawing of the 9-pos. version of the product