# Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

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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: 3, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

## Product Features

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

## Key commercial data

| | |
|---|---|
| **package_quantity** | 50 |
| **GTIN** | 4017918038540 |

## Technical data

### Dimensions

| | |
|---|---|
| **Pitch** | 5.08 mm |
| **Dimension a** | 10.16 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 |
| **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 mm² |
| **Maximum load current** | 12 A (with 2.5 mm² conductor cross section) |
| **Insulating material** | PA |
| **Inflammability class according to UL 94** | V0 |
| **Internal cylindrical gage** | A3 |
| **Stripping length** | 7 mm |

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## Technical data

### General

| | |
|---|---|
| **Number of positions** | 3 |
| **Screw thread** | M3 |
| **Tightening torque, min** | 0.5 Nm |
| **Tightening torque max** | 0.6 Nm |

### Connection data

| | |
|---|---|
| **Conductor cross section solid min.** | 0.2 mm² |
| **Conductor cross section solid max.** | 2.5 mm² |
| **Conductor cross section stranded min.** | 0.2 mm² |
| **Conductor cross section stranded max.** | 2.5 mm² |
| **Conductor cross section stranded, with ferrule without plastic sleeve min.** | 0.25 mm² |
| **Conductor cross section stranded, with ferrule without plastic sleeve max.** | 2.5 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve min.** | 0.25 mm² |
| **Conductor cross section stranded, with ferrule with plastic sleeve max.** | 2.5 mm² |
| **Conductor cross section AWG/kcmil min.** | 24 |
| **Conductor cross section AWG/kcmil max** | 12 |
| **2 conductors with same cross section, solid min.** | 0.2 mm² |
| **2 conductors with same cross section, solid max.** | 1 mm² |
| **2 conductors with same cross section, stranded min.** | 0.2 mm² |
| **2 conductors with same cross section, stranded max.** | 1.5 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.** | 0.25 mm² |
| **2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.** | 1 mm² |
| **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.** | 1.5 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** | 27440309 |
| **eCl@ss 8.0** | 27440309 |

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## classifications

### 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 / IECEE CB Scheme / GOST / CCA / cULus Recognized /

### Approval details

**CSA**

| Usegroups | B | D |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 15 A | 10 A |
| mm²/AWG/kcmil | 28-12 | 28-12 |

**UL Recognized**

| Usegroups | B | D |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |
| Nominal current IN | 12 A | 10 A |
| mm²/AWG/kcmil | 30-12 | 30-12 |

**VDE Gutachten mit Fertigungsüberwachung**

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 12 A |
| mm²/AWG/kcmil | 0.2-2.5 |

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## approvals

**cUL Recognized**

| Usegroups | B | D |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |
| Nominal current IN | 12 A | 10 A |
| mm²/AWG/kcmil | 30-12 | 30-12 |

**GOST**

**IECEE CB Scheme**

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 12 A |
| mm²/AWG/kcmil | 0.2-2.5 |

**CCA**

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 12 A |
| mm²/AWG/kcmil | 0.2-2.5 |

**cULus Recognized**

## accessories

### Screwdriver tools

SZS 0,6X3,5 - 1205053



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## accessories

**Labeled terminal marker**

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



**Coding element**

CP-MSTB - 1734634



**Bridge**

EBP 2- 5 - 1733169

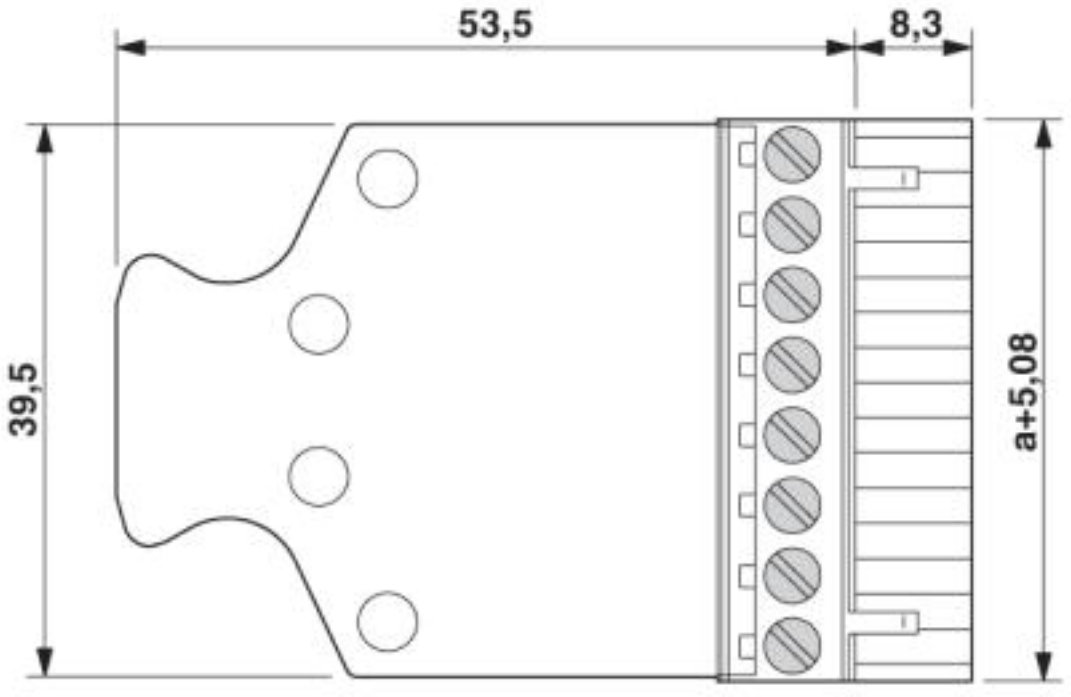


## Drawings

Dimensioned drawing

# Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

Dimensioned drawing




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