

## Printed-circuit board connector - MSTBU 2,5/ 9-STD-5,08 - 1824191

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 9, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin, Assembly: Direct mounting

The figure shows a 10-position version of the product

### Product Features

- ☒ Shock-proof connection block in combination with IC 2,5/...-ST-5,08
- ☒ Direct plug-in blocks with mounting flanges for screw connection on mounting plates or unit housing

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918048990 |

### Technical data

#### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 40.64 mm |

#### General

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | MSTBU 2,5/...-STD   |
| 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)                   | 320 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                |
| Insulating material                     | PA                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |

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## Technical data

### General

|                        |        |
|------------------------|--------|
| Stripping length       | 7 mm   |
| Number of positions    | 9      |
| 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 |

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## classifications

### eCl@ss

|                   |          |
|-------------------|----------|
| <b>eCl@ss 6.0</b> | 27260704 |
| <b>eCl@ss 7.0</b> | 27440402 |
| <b>eCl@ss 8.0</b> | 27440402 |

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 3.0</b> | EC001121 |
| <b>ETIM 4.0</b> | EC002638 |
| <b>ETIM 5.0</b> | EC002638 |

### 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 / IECCEB Scheme / GOST / CCA / cULus Recognized /

### Approval details

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

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

|                                                                                                                                    |  |  |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <b>VDE Gutachten mit Fertigungsüberwachung</b>  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------|--|--|

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## approvals

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

| 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  US |
|---------------------------------------------------------------------------------------------------------|

## accessories

### Labeled terminal marker

## Printed-circuit board connector - MSTBU 2,5/ 9- STD-5,08 - 1824191

### accessories

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



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### Bridge

EBP 2- 5 - 1733169



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### Coding element

CP-MSTB - 1734634



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### Screwdriver tools

SZS 0,6X3,5 - 1205053

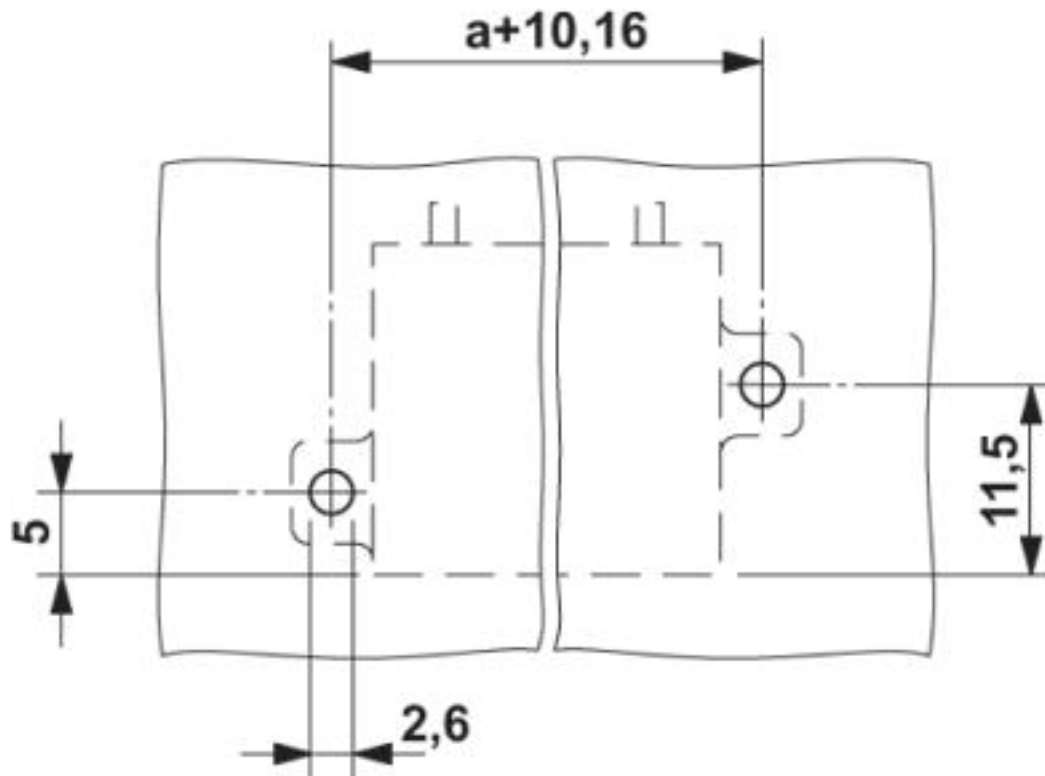


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### Drawings

## Printed-circuit board connector - MSTBU 2,5/ 9- STD-5,08 - 1824191

Drilling diagram



Dimensioned drawing

