

Printed-circuit board connector - MSTB 2,5/ 2-STF-5,08 - 1777989

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




The figure shows a 10-position version of the product

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Screwable flange for superior mechanical stability
- Allows connection of two conductors



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 100 STK |
| GTIN |  4 017918 039851 |
| GTIN | 4017918039851 |
| Weight per Piece (excluding packing) | 4.240 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-------------|----------|
| Length | 10 mm |
| Height | 15 mm |
| Width | 20.17 mm |
| Pitch | 5.08 mm |
| Dimension a | 5.08 mm |

General

| | |
|-------------------|------------------|
| Range of articles | MSTB 2,5/..-STF |
| Type of contact | Female connector |

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Technical data

General

| | |
|--|---|
| Number of positions | 2 |
| Connection method | Screw connection with tension sleeve |
| 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 ² |
| Maximum load current | 12 A (with a 2.5 mm ² conductor cross section) |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| Stripping length | 7 mm |
| 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 ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm ² |
| 2 conductors with same cross section, solid max. | 1 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 1 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |

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Technical data

Connection data

| | |
|---|---------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

Standards and Regulations

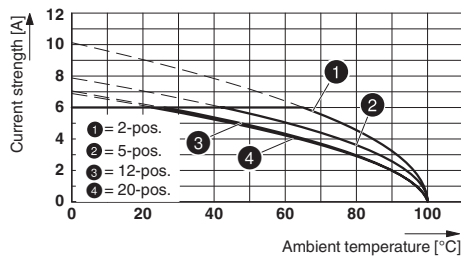
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

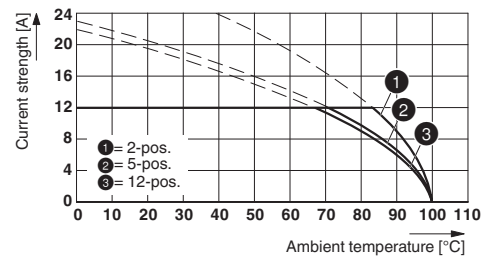
| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Diagram



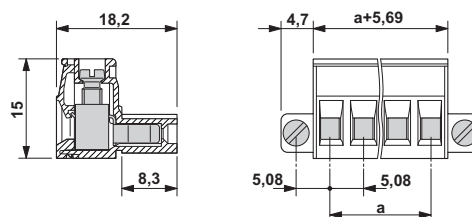
Diagram



Type: MSTB 2,5/...-STF-5,08 with MSTBV 2,5/...-GF-5,08

Type: MSTB 2,5/...-STF-5,08 with CC 2,5/...-GF-5,08 P26THR

Dimensional drawing



Approvals

Approvals

Approvals


CSA / VDE Gutachten mit Fertigungsüberwachung / GL / RS / IECCE CB Scheme / cULus Recognized / EAC

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Approvals

Ex Approvals

Approval details

CSA  <http://www.csagroup.org/services/testing-and-certification/certified-product-listing/> 13631


| | B | D |
|----------------------------|-------|-------|
| mm ² /AWG/kcmil | 28-12 | 28-12 |
| Nominal current IN | 15 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung  <http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx> 40004701

| | |
|----------------------------|---------|
| mm ² /AWG/kcmil | 0.2-2.5 |
| Nominal current IN | 12 A |
| Nominal voltage UN | 250 V |

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 5032089 HH

RS <http://www.rs-head.spb.ru/en/index.php> 10.04059.250

IECEE CB Scheme  <http://www.iecee.org/> DE1-56062-B1B2

| | |
|----------------------------|---------|
| mm ² /AWG/kcmil | 0.2-2.5 |
| Nominal current IN | 12 A |
| Nominal voltage UN | 250 V |

cULus Recognized <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E60425-19931011

| | B | D |
|----------------------------|-------|-------|
| mm ² /AWG/kcmil | 30-12 | 30-12 |
| Nominal current IN | 15 A | 15 A |
| Nominal voltage UN | 300 V | 150 V |

EAC B.01742

