

Printed-circuit board connector - MSTB 2,5/19-ST - 1754782

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 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
- Allows connection of two conductors



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 50 STK |
| GTIN |  4 017918 028954 |
| GTIN | 4017918028954 |
| Weight per Piece (excluding packing) | 0.031 kg |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|-------------|----------|
| Width | 94.95 mm |
| Pitch | 5 mm |
| Dimension a | 90 mm |

General

| | |
|---------------------|--------------------------------------|
| Range of articles | MSTB 2,5/..-ST |
| Type of contact | Female connector |
| Number of positions | 19 |
| Connection method | Screw connection with tension sleeve |

Printed-circuit board connector - MSTB 2,5/19-ST - 1754782

Technical data

General

| | |
|--|---|
| 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 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |

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Technical data

Connection data

| | |
|---------------------------------|----|
| Minimum AWG according to UL/CUL | 30 |
| Maximum AWG according to UL/CUL | 12 |

Standards and Regulations

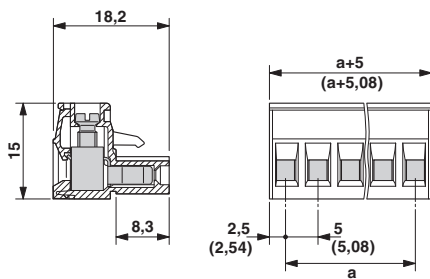
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

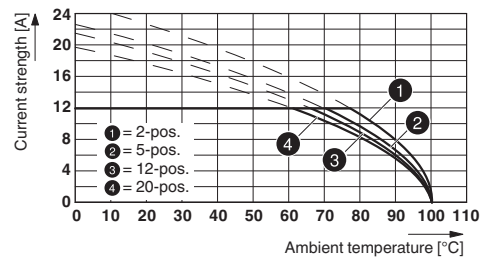
| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Dimensional drawing

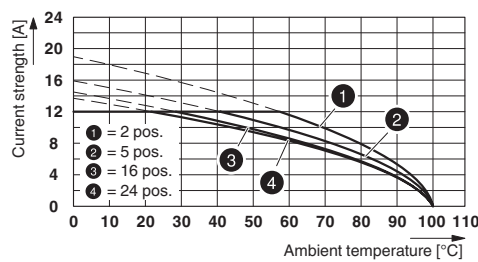


Diagram



Type: MSTB 2,5/...-ST with MSTBW 2,5/...-G

Diagram



Type: MSTB 2,5/...-ST with MSTBV 2,5/...-G

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

| | |
|------------|----------|
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | 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 / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / cULus Recognized / EAC

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 I _N | 15 A | 10 A | |
| Nominal voltage U _N | 300 V | 300 V | |

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Approvals

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

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

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2



Cable housing

Printed-circuit board connector - MSTB 2,5/19-ST - 1754782

Accessories

Cable housing - KGS-MSTB 2,5/19 - 1805602



Cable housing, Pitch: 0 mm, Number of positions: 19, Dimension a: 95 mm, Color: green

Coding element

Coding profile - CP-MSTB - 1734634



Coding profile, is inserted into the slot on the plug or inverted header, red insulating material

Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Additional products

Base strip - MSTBW 2,5/19-G - 1735947



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Accessories

Base strip - MSTBV 2,5/19-G - 1753770



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTB 2,5/19-G - 1754779



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTBVA 2,5/19-G - 1755671



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTBA 2,5/19-G - 1757637



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MDSTB 2,5/19-G1 - 1762868



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

Printed-circuit board connector - MSTB 2,5/19-ST - 1754782

Accessories

Base strip - MDSTBV 2,5/19-G1 - 1763029



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

Base strip - MSTB 2,5/19-G-LA - 1768354



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - SMSTB 2,5/19-G - 1769405



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - SMSTBA 2,5/19-G - 1769971



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Base strip - MSTBA 2,5/19-G-LA - 1770656



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

Printed-circuit board connector - MSTB 2,5/19-ST - 1754782

Accessories

Base strip - EMSTBA 2,5/19-G - 1900015



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

Base strip - EMSTBVA 2,5/19-G - 1915039



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 19, Pitch: 5 mm, Color: green, Contact surface: Tin, Mounting: Press-in technology

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