

Printed-circuit board connector - MSTB 2,5/12-ST - 1754643

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

The figure shows a 10-position version of the product

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

| | |
|------------------|---------------|
| package_quantity | 50 |
| GTIN | 4017918028817 |

Technical data

Dimensions

| | |
|-------------|-------|
| Pitch | 5 mm |
| Dimension a | 55 mm |

General

| | |
|---|---|
| Range of articles | MSTB 2,5/..-ST |
| 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 2.5 mm ² 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 | 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 ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm ² |
| 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 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 |
| 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 | 27440402 |
| eCl@ss 8.0 | 27440402 |

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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 / IECCEB CB Scheme / GOST / CCA / cULus Recognized /

Approval details

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

| | | |
|----------------------------|----------|----------|
| UL Recognized | | |
| Usegroups | B | D |
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 15 A | 10 A |
| mm ² /AWG/kcmil | 30-12 | 30-12 |

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

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approvals

| cUL Recognized | | |
|----------------------------|-------|-------|
| Usegroups | B | D |
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 15 A | 10 A |
| mm ² /AWG/kcmil | 30-12 | 30-12 |

| |
|-------------|
| GOST |
|-------------|

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

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

| | |
|----------------------------|---------|
| CCA | |
| Nominal voltage UN | 250 V |
| Nominal current IN | 12 A |
| mm ² /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



Cable housing

KGS-MSTB 2,5/12 - 1783818



Coding element

CP-MSTB - 1734634



Bridge

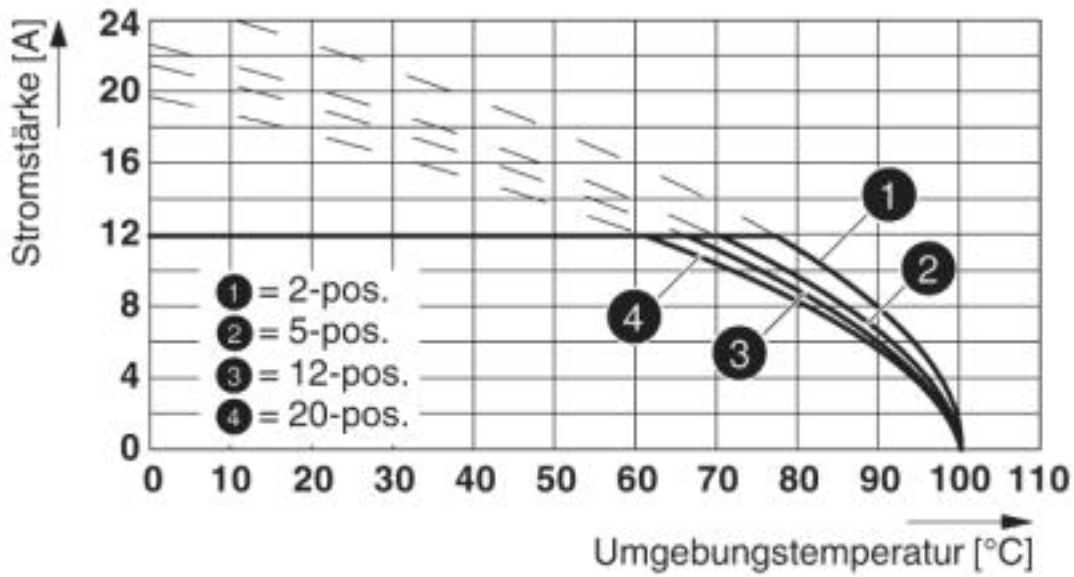
EBP 2- 5 - 1733169



Drawings

Printed-circuit board connector - MSTB 2,5/12-ST - 1754643

Diagram



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

Dimensioned drawing

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