

Printed-circuit board connector - MSTBC 2,5/ 4-STZ-5,08-R - 1809064

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte




The illustration shows a 15-position version

Product Features

- Plug-in direction parallel to the conductor axis
- Low design height of the MSTBC 2,5 plug range
- Compatible with MSTB 2,5 headers, IC 2,5 and ICC 2,5 plugs
- For conductor cross sections from 1.5 to 2.5 mm² (16 - 14 AWG) and currents up to 12 A



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN |  4 017918 114961 |
| Weight per Piece (excluding packing) | 2.98 g |
| Custom tariff number | 85472000 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-------------|----------|
| Pitch | 5.08 mm |
| Dimension a | 15.24 mm |

General

| | |
|-------------------|-------------------|
| Range of articles | MSTBC 2,5/...-STZ |
|-------------------|-------------------|

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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) | 320 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 |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Number of positions | 4 |

Connection data

| | |
|---------------------------------------|---------------------|
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 14 |
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 14 |

Standards and Regulations

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

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 | 27440309 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 9.0 | 27440309 |
|------------|----------|

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

Approvals


Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB CB Scheme / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | | |
|---|-------|-------|
| UL Recognized  | | |
| | B | D |
| mm ² /AWG/kcmil | 20-14 | 20-14 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 250 V | 300 V |

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Approvals

VDE Gutachten mit Fertigungsüberwachung

| mm ² /AWG/kcmil | 0.5-1.0 |
|--------------------------------|---------|
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 250 V |

cUL Recognized

| | B | D |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 20-14 | 20-14 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 250 V | 300 V |

IECEE CB Scheme

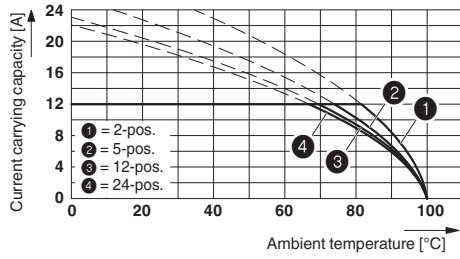
| mm ² /AWG/kcmil | 0.5-1.0 |
|--------------------------------|---------|
| Nominal current I _N | 10 A |
| Nominal voltage U _N | 250 V |

cULus Recognized

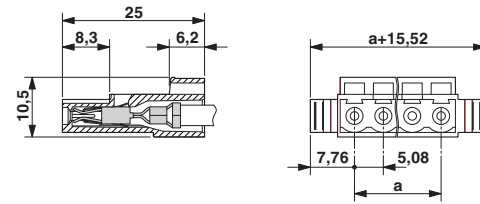
Drawings

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Diagram



Dimensional drawing



Type: MSTBC 2,5/...-ST-5,08 with MSTBA 2,5/...-G-5,08; contact: MSTBC-MT 1,5 - 2,5