At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. HERE

# Printed-circuit board connector - MSTBC 2,5/ 2-ST-5,08 - 1808816

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(http://phoenixcontact.com/download)

The illustration shows an 10-position version

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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

## Why buy this product

- Inexpensive connection of large quantities of pre-assembled conductors

## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 STK |
| GTIN | 4 017918 047160 |

## Technical data

### Dimensions

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

### General

| | |
|---|---|
| Range of articles | MSTBC 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) | 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 mm² |
| Maximum load current | 12 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Number of positions | 2 |

# Printed-circuit board connector - MSTBC 2,5/ 2-ST-5,08 - 1808816

## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section flexible min. | 0.5 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| 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 |
| | CSA |
| 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 |

### 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

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECEE CB Scheme / EAC / cULus Recognized

# Printed-circuit board connector - MSTBC 2,5/ 2-ST-5,08 - 1808816

## Approvals

Ex Approvals

Approvals submitted

## Approval details

CSA

| | |
|---|---|
| mm²/AWG/kcmil | 20-14 |
| Nominal current IN | 10 A |
| Nominal voltage UN | 300 V |

UL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 20-14 | 20-14 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 250 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung

| | |
|---|---|
| mm²/AWG/kcmil | 0.5-1.0 |
| Nominal current IN | 10 A |
| Nominal voltage UN | 250 V |

cUL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 20-14 | 20-14 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 250 V | 300 V |

# Printed-circuit board connector - MSTBC 2,5/ 2-ST-5,08 - 1808816

## Approvals

IECEE CB Scheme

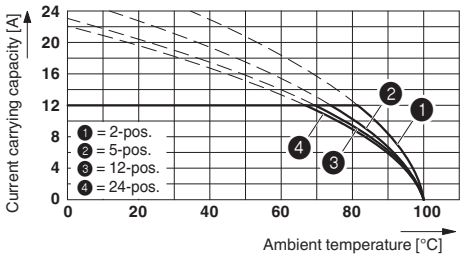
| | |
|---|---|
| mm²/AWG/kcmil | 0.5-1.0 |
| Nominal current IN | 10 A |
| Nominal voltage UN | 250 V |

EAC

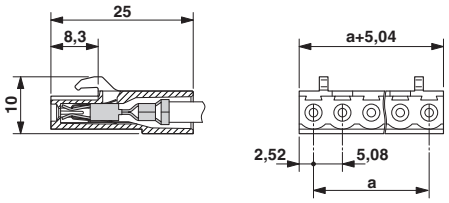
cULus Recognized

## Drawings

Diagram




Dimensional drawing




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

Phoenix Contact 2016 © - all rights reserved
http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, click on the green button.

| Product | Code | Reference | Product link |
|---|---|---|---|
| Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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 | 1808816 | MSTBC 2,5/ 2-ST-5,08 | Buy on EAN |