

## INDUSTRIAL COMPONENT DATA

# MSTBC 2,5/ 5-STZ-5,08-R 1809077 PHOENIX CONTACT

## Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBC 2,5/ 5-STZ-5,08-R



|                 |                         |
|-----------------|-------------------------|
| Manufacturer    | PHOENIX CONTACT         |
| MPN / Reference | MSTBC 2,5/ 5-STZ-5,08-R |
| Catalog number  | 1809077                 |
| Category        | Cable connector         |
| Minimum order   | 50 Pcs                  |
| Document ID     | EO-08E00853D3           |
| Generated       | 2026-08-03              |

### Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, nominal voltage (III/2): 320 V, contact type: Female, number of potentials: 5, number of rows: 1, number of poles: 5, number of connections: 5, family of articles: MSTBC 2.5/.. -STZ-RF, pitch: 5.08 mm, connection type: Crimped connection, conductor/printed circuit board connection direction: 0 °, clamping hook: - without clamping hook, plug-in system: COMBICON MSTB 2.5, locking: Socket locking, fixing type: Socket flange, packaging type: box-packed, corresponding crimped female contacts, with indications regarding the current [A] and the range of conductor cross-sections [mm<sup>2</sup>]: 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 = Contacts on Ribbon

## STRUCTURED PRODUCT DATA

### Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

### Classification & Catalog Path

|              |                                        |
|--------------|----------------------------------------|
| Catalog path | PHOENIX CONTACT > PCB Connectors (PCC) |
|--------------|----------------------------------------|

### Additional Product Information

Key Commercial Data

Orderkey 1809077

Packing unit 50 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

Catalog page Page 295 (C-1-2013)

GTIN 4017918114978

Weight per Piece (excluding packing) 3.480 g

Custom tariff number 85472000

Country of origin PL (Poland)

Dimensions

Length [ l ] 25 mm

Width [ w ] 35.83 mm

Height [ h ] 10.5 mm

Pitch 5.08 mm

Dimension a 20.32 mm

General

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

Number of positions 5

Connection method Crimp connection

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 IN 12 A

Nominal cross section 2.5 mm<sup>2</sup>

Maximum load current 12 A

Insulating material PA

Flammability rating according to UL 94 V0

Connection data

Conductor cross section flexible min. 0.5 mm<sup>2</sup>

Conductor cross section flexible max. 2.5 mm<sup>2</sup>

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

Environmental Product Compliance

China RoHS Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values

Classifications

eCl@ss 4.0272607xxeCl@ss 4.127260701eCl@ss 5.027260701eCl@ss 5.127260700eCl@ss 6.027260700eCl@s...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBC 2,5/ 5-STZ-5,08-R with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.