

INDUSTRIAL COMPONENT DATA

MSTBC 2,5/ 6-STZ-5,08 1809543 PHOENIX CONTACT

Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBC 2,5/ 6-STZ-5,08



Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBC 2,5/ 6-STZ-5,08
Catalog number	1809543
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-6F7A7913E5
Generated	2026-07-29

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 2.5 mm², color: green, nominal current: 12 A, nominal voltage (III/2): 320 V, contact type: Female, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, family of articles: MSTBC 2,5/..-STZ, pitch: 5.08 mm, connection type: Crimped connection, conductor/printed circuit board connection direction: 0 °, clamping hook: - Clamping hook, plug-in system: COMBICON MSTB 2.5, locking: without, fixing type: without, packaging type: packed in box, Corresponding crimped female contacts, with indications regarding the current [A] and the range of conductor cross-sections [mm²]: 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

PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact connection type: Socket, number of potentials: 6, number of rows: 1, number of positions: 6, number of connections: 6, product range: MSTBC 2,5/..-STZ, pitch: 5.08 mm, connection method: Crimp connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5, locking: without, mounting: without, type of packaging: packed in cardboard, Corresponding female crimp contacts...

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

Technical dataProduct propertiesProduct type PCB connector

Product family MSTBC 2,5/..-STZ

Product line COMBICON Connectors M

Type Standard

Number of positions 6

Pitch 5.08 mm

Number of connections 6

Number of rows 1

Number of potentials 6

Mounting flange without

Data management status

Article revision 02

Electrical propertiesNominal current IN 12 A

Nominal voltage UN 320 V

Rated voltage (III/3) 320 V

Rated surge voltage (III/3) 4 kV

Rated voltage (III/2) 320 V

Rated surge voltage (III/2) 4 kV

Rated voltage (II/2) 630 V

Rated surge voltage (II/2) 4 kV

Connection dataConnection technology

Type Standard

Connector system COMBICON MSTB 2,5

Nominal cross section 2.5 mm²

Contact connection type Socket

Interlock

Locking type without

Mounting flange without

Conductor connection

Connection method Crimp connection

Conductor/PCB connection direction 0 °

Conductor cross section flexible 0.5 mm² ... 2.5 mm²

Conductor cross section AWG 20 ... 14

Material specificationsMaterial data - housing

Color (Housing) green (6021)

Insulating material PA

Insulating material group I

CTI according to IEC 60112 600

Flammability rating according to UL 94 V0

Glow wire flammability index GWFI according to EN 60695-2-12 850

Glow wire ignition temperature GWIT according to EN 60695-2-13 775

Temperature for the ball pressure test according to EN 60695-10-2 125 °C

DimensionsDimensional drawing

Pitch 5.08 mm

Width [w] 30.44 mm

Height [h] 10.5 mm

Length [l] 25 mm

NotesNotes on operation In accordance with IEC 61...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBC 2,5/ 6-STZ-5,08 with the required quantity to info@electricaonline.com or use 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.