INDUSTRIAL COMPONENT DATA

MSTBC 2,5/12-STZ-5,08-R 1809145 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBC 2,5/12-STZ-5,08-R

Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBC 2,5/12-STZ-5,08-R
Catalog number	1809145
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-222A2955F0
Generated	2026-11-18

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: 12, number of rows: 1, number of poles: 12, number of connections: 12, 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 [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: 12, number of rows: 1, number of positions: 12, number of connections: 12, product range: MSTBC 2,5/..-STZ-RF, pitch: 5. BA = Bandkontakte.

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-RF
Product line COMBICON Connectors M
Type Standard

Number of positions 12
Pitch 5.08 mm
Number of connections 12
Number of rows 1
Number of potentials 12
Mounting flange Latching flange
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
Connector system COMBICON MSTB 2,5
Nominal cross section 2.5 mm²
Contact connection type Socket
Interlock
Locking type Snap-in locking
Mounting flange Latching flange
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] 71.39 mm
Height [h] 10.5 mm
Length [l] 25 mm
NotesNotes on operation In accord...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBC 2,5/12-STZ-5,08-R 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

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