INDUSTRIAL COMPONENT DATA

MSTBC 2,5/ 3-STZ-5,08-R 1809051 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBC 2,5/ 3-STZ-5,08-R



Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBC 2,5/ 3-STZ-5,08-R
Catalog number	1809051
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-AAAF61CA21
Generated	2026-11-19

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: 3, number of rows: 1, number of poles: 3, number of connections: 3, 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

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 1809051
Packing unit 50 pc
Minimum order quantity 50 pc
Catalog page Page 295 (C-1-2013)
GTIN 4017918114954
Weight per Piece (excluding packing) 2.380 g

Custom tariff number 85472000
Country of origin PL (Poland)
Dimensions
Length [l] 25 mm
Width [w] 25.67 mm
Height [h] 10.5 mm
Pitch 5.08 mm
Dimension a 10.16 mm
General
Range of articles MSTBC 2,5/..-STZ
Number of positions 3
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 mm²
Maximum load current 12 A
Insulating material PA
Flammability rating according to UL 94 V0
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
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@ss 7.027440309eCl@ss 8.027440309eCl@s...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBC 2,5/ 3-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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