INDUSTRIAL COMPONENT DATA

MSTBO 2,5/ 3-GL-5,08 BK 1089951 PHOENIX CONTACT Housing base printed circuit board, number of poles: 3, pitc..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBO 2,5/ 3-GL-5,08 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBO 2,5/ 3-GL-5,08 BK
Catalog number	1089951
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-86543550D5
Generated	2026-11-19

Product Overview

Housing base printed circuit board, number of poles: 3, pitch: 5,08 mm, color: black
Printed circuit board base case, nominal section: 2.5 mm², color: black, nominal current: 8 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of rows: 1, number of poles: 3, family of articles: MSTBO 2.5/.. -GL, pitch: 5.08 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.2 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2.5, locking: without, fixing type: without, packaging type: boxed

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 dataItem PropertiesProduct Type Printed circuit board base housing
Product Family MSTBO 2.5/.. -GL
Product Line COMBICON Connectors M
Number of poles 3
Step 5.08 mm
Number of rows 1
Pin Design Linear Pin Arrangement
Number of Solder Pins Per Potential 1
Data Maintenance Status
Article Review 00
Electrical PropertiesNominal Current IN 8 A

Nominal voltage UN 320 V
Sizing voltage (III/3) 250 V
Dimensioning transient voltage (III/3) 4 kV
Dimensioning voltage (III/2) 320 V
Dimensioning Transient Voltage (III/2) 4 kV
Nominal voltage (II/2) 630 V
Dimensioning transient voltage (II/2) 4 kV
assemblyType of mounting Wave soldering
Pin Design Linear Pin Arrangement
Material DataMaterial data - contact
Observation WEEE/RoHS compliant, filament-free according to IEC 60068-2-82/JEDEC JESD 201
Contact material Cu Alloy
Surface Characteristics Malleable cast iron tinning
Metal surface contact area (top layer) Tin (5 - 7 um Sn)
Metal surface weld area (top layer) Tin (5 - 7 um Sn)
Material data - housing
Color (Housing) Black (9005)
Insulating material PA
Insulating material group I
CTI according to IEC 60112 600
Flammability class according to UL 94 V0
Flammability number of GWFI incandescent filaments according to EN 60695-2-12 850
Ignition temperature of incandescent filaments GWIT according to EN 60695-2-13 775
Ball hardness test temperature according to EN 60695-10-2 125 °C
NotesObservation regarding the operation According to DIN EN 61984, COMBICON connectors are connectors w...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBO 2,5/ 3-GL-5,08 BK 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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