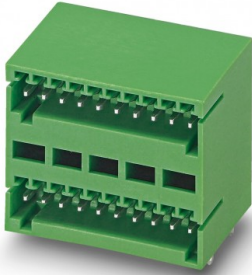


INDUSTRIAL COMPONENT DATA

MCD 0,5/ 3-G1-2,5 GY 1098802 PHOENIX CONTACT Housing base printed circuit board, number of poles: 3, pitch: ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCD 0,5/ 3-G1-2,5 GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCD 0,5/ 3-G1-2,5 GY
Catalog number	1098802
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-7E29235F7C
Generated	2026-08-06

Product Overview

Housing base printed circuit board, number of poles: 3, pitch: 2.5 mm, color: gray
Printed circuit board base housing, nominal section: 0.5 mm², color: gray, nominal current: 4 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of rows: 2, number of poles: 3, family of articles: MCD 0.5/.. -G1, pitch: 2.5 mm, mounting: Wave welding, pin arrangement: Linear pin arrangement, pin length [P]: 3.8 mm, number of soldering pins per potential: 1, plug-in system: COMBICON FK-MC 0.5, Plug-in face orientation: Standard, 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)
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Additional Product Information

Technical dataItem PropertiesProduct Type Printed circuit board base housing
Product Family MCD 0.5/.. -G1
Product Line COMBICON Connectors XS
Number of poles 3
Step 2.5 mm
Number of rows 2
Pin Design Linear Pin Arrangement
Number of Solder Pins Per Potential 1
Data Maintenance Status
Article Review 00

Electrical PropertiesNominal Current IN 4 A
Nominal voltage UN 160 V
Contact resistance 3 m?
Sizing voltage (III/3) 80 V
Dimensioning transient voltage (III/3) 1.5 kV
Dimensioning voltage (III/2) 160 V
Dimensioning Transient Voltage (III/2) 2.5 kV
Nominal voltage (II/2) 320 V
Dimensioning transient voltage (II/2) 2.5 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 Galvanically tinned
Metal surface contact area (top layer) Tin (3 - 5 um Sn)
Metal Surface Contact Area (Middle Layer) Nickel (1 - 3 um Ni)
Metal surface weld area (top layer) Tin (3 - 5 um Sn)
Metal Surface Welding Area (Middle Layer) Nickel (1 - 3 um Ni)
Material data - housing
Color (Housing) Grey (7042)
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 temper...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCD 0,5/ 3-G1-2,5 GY 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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