INDUSTRIAL COMPONENT DATA

MCD 0,5/ 6-G1-2,5 HT BK 1961180 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCD 0,5/ 6-G1-2,5 HT BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCD 0,5/ 6-G1-2,5 HT BK
Catalog number	1961180
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-E11EC477F1
Generated	2026-11-19

Product Overview

Printed-circuit board connector
Printed circuit board base case, nominal section: 0.5 mm², color: black, nominal current: 4 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 12, number of rows: 2, number of poles: 6, number of connections: 12, family of articles: MCD 0.5/.. -G1-HT, pitch: 2.5 mm, mounting: Solder THR, pin arrangement: Linear pin arrangement, pin length [P]: 3.8 mm, number of solder 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, Standard high-temperature resistant plastic component; Suitable for reflow soldering processes. For user information and design recommendations on Through Hole Reflow technology, see "Downloads"

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 1961180
Packing unit 50 pc
Minimum order quantity 50 pc
Note Made to Order (non-returnable)
Catalog page Page 79 (CC-2005)
GTIN 4017918912499
Weight per Piece (excluding packing) 6.530 g

Custom tariff number 85366930
Country of origin DE (Germany)
Dimensions
Length [l] 17.5 mm
Width 16.9 mm
Pitch 2.5 mm
Dimension a 12.5 mm
Width [w] 16.9 mm
Height [h] 25.65 mm
Height 21.85 mm
Length of the solder pin 3.8 mm
Pin dimensions 0.8 x 0.8 mm
Pin spacing 2.50 mm
Length 17.5 mm
General
Range of articles MCD 0,5/..-G1-HT
Insulating material group IIIa
Rated surge voltage (III/3) 1.5 kV
Rated surge voltage (III/2) 2.5 kV
Rated surge voltage (II/2) 2.5 kV
Rated voltage (III/3) 32 V
Rated voltage (III/2) 160 V
Rated voltage (II/2) 160 V
Connection in acc. with standard EN-VDE
Nominal current IN 4 A
Maximum load current 4 A
Insulating material PA
Flammability rating according to UL 94 V0
Color black
Number of positions 6
Standards and Regulations
Connection in acc. with standard EN-VDE
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 7.027440402eCl@ss 8.027440402eCl@ss 9.027440402
ETIM 3.0EC001121ETIM 4.0EC002637ETIM 5.0EC002637ETIM 6.0EC002637
UNSPSC 6.0130211810UNSPSC 7.090139121409UNSPSC 1139121409UNSPS...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCD 0,5/ 6-G1-2,5 HT 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

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.