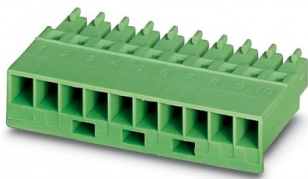


INDUSTRIAL COMPONENT DATA

MCC 1/ 6-STZ-3,81 BK 1918777 PHOENIX CONTACT

Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCC 1/ 6-STZ-3,81 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCC 1/ 6-STZ-3,81 BK
Catalog number	1918777
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-6A690D2D12
Generated	2026-08-04

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 1 mm², color: black, nominal current: 8 A, nominal voltage (III/2): 160 V, contact type: Female, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, family of articles: MCC 1/..-STZ, pitch: 3.81 mm, connection type: Crimped connection, conductor/printed circuit board connection direction: 0 °, plug-in system: COMBICON MC 1.5, locking: without, fixing type: without, packaging type: boxed, corresponding crimped female contacts, with indications regarding current [A] and conductor cross-section range [mm²]: 5A/MCC-MT 0.2-0.35 (1859988); 8A/MCC-MT 0.5-1.0 (1859991)

PCB connector, nominal cross section: 1 mm², color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact connection type: Socket, number of potentials: 6, number of rows: 1, number of positions: 6, number of connections: 6, product range: MCC 1/..-STZ, pitch: 3.81 mm, connection method: Crimp connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: without, mounting: without, type of packaging: packed in cardboard, Corresponding female crimp contacts with current [A] and conductor cross section range [mm²] data: 5A/MCC-MT 0,2-0,35 (1859988); 8A/MCC-MT 0,5-1,0 (1859991)

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 MCC 1/..-STZ

Product line COMBICON Connectors S

Type Standard

Number of positions 6

Pitch 3.81 mm

Number of connections 6

Number of rows 1

Number of potentials 6

Mounting flange without

Data management status

Article revision 01

Electrical propertiesNominal current IN 8 A

Nominal voltage UN 160 V

Rated voltage (III/3) 160 V

Rated surge voltage (III/3) 2.5 kV

Rated voltage (III/2) 160 V

Rated surge voltage (III/2) 2.5 kV

Rated voltage (II/2) 320 V

Rated surge voltage (II/2) 2.5 kV

Connection dataConnection technology

Type Standard

Connector system COMBICON MC 1,5

Nominal cross section 1 mm²

Contact connection type Socket

Interlock

Locking type without

Mounting flange without

Conductor connection

Connection method Crimp connection

Conductor/PCB connection direction 0 °

Conductor cross section flexible 0.2 mm² ... 1 mm²

Conductor cross section AWG 24 ... 18

Material specificationsMaterial data - contact

Metal surface contact area (top layer) Tin (Sn)

Material data - housing

Color (Housing) black (9005)

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 3.81 mm

Width [w] 23.65 mm

Height [h] 8.7 mm....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCC 1/ 6-STZ-3,81 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.