INDUSTRIAL COMPONENT DATA

MCC 1/20-STZF-3,81 1852545 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MCC 1/20-STZF-3,81



Manufacturer	PHOENIX CONTACT
MPN / Reference	MCC 1/20-STZF-3,81
Catalog number	1852545
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-6E64F7199B
Generated	2026-11-19

Product Overview

Printed-circuit board connector
Connector for printed circuit board, nominal section: 1 mm², color: green, nominal current: 8 A, nominal voltage (III/2): 160 V, contact type: Female, number of potentials: 20, number of rows: 1, number of poles: 20, number of connections: 20, family of articles: MCC 1/.. -STZF, pitch: 3.81 mm, connection type: Crimped connection, conductor/printed circuit board connection direction: 0 °, plug-in system: COMBICON MC 1.5, lock: Screw lock, fixing type: Air clamping (screw), packaging type: boxed, corresponding crimped female contacts, with indications regarding the current [A] and the range of conductor cross-sections [mm²]: 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

Key Commercial Data
Orderkey 1852545
Packing unit 50 pc
Note Made to Order (non-returnable)
GTIN 4017918144050
Weight per Piece (excluding packing) 6.510 g
Custom tariff number 85366990
Country of origin PL (Poland)
Dimensions

Length [l] 23.1 mm
Width [w] 76.99 mm
Height [h] 8.7 mm
Pitch 3.81 mm
Dimension a 72.39 mm
General
Range of articles MCC 1/..-STZF
Number of positions 20
Connection method Crimp connection
Insulating material group I
Rated surge voltage (III/3) 2.5 kV
Rated surge voltage (III/2) 2.5 kV
Rated surge voltage (II/2) 2.5 kV
Rated voltage (III/3) 160 V
Rated voltage (III/2) 160 V
Rated voltage (II/2) 320 V
Connection in acc. with standard EN-VDE
Nominal current IN 8 A
Nominal cross section 1 mm²
Maximum load current 8 A
Insulating material PA
Flammability rating according to UL 94 V0
Connection data
Conductor cross section flexible min. 0.2 mm²
Conductor cross section flexible max. 1 mm²
Conductor cross section AWG min. 24
Conductor cross section AWG max. 18
Minimum AWG according to UL/CUL 20
Maximum AWG according to UL/CUL 18
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@ss 9.027440309
ETIM 3.0EC001...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCC 1/20-STZF-3,81 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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