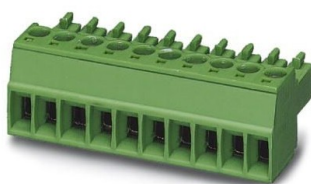


INDUSTRIAL COMPONENT DATA

MC 1,5/10-ST-3,81 1803659 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MC 1,5/10-ST-3,81



Manufacturer	PHOENIX CONTACT
MPN / Reference	MC 1,5/10-ST-3,81
Catalog number	MC 1,5/10-ST-3,81
Category	Cable connector
Minimum order	50 units
Document ID	EO-99C58048F2
Generated	2026-07-28

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 1.5 mm², color: green, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Female, number of potentials: 10, number of rows: 1, number of poles: 10, number of connections: 10, family of articles: MC 1.5/.. -ST, pitch: 3.81 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, conductor/printed circuit board connection direction: 0 °, plug-in system: COMBICON MC 1.5, lock: without, fixing type: without, packaging type: boxed

STRUCTURED PRODUCT DATA

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Type of connection (EF000064)	Other
Contact type (EF001587)	Bus
Number of poles (EF001391)	10
Number of plug-in contact rows (EF006935)	1
Modular spacing contacts (EF007326)	3.81 mm
Modular spacing connections (EF006827)	3.81 mm
Angle contact/conductor connection (EF007546)	Other
Rated current I _n (EF008250)	8 A
Rated voltage (EF000228)	160 V
Rated surge voltage (EF002993)	2.5 kV
Over voltage category (EF006785)	III
Pollution degree (EF006786)	2

CONTINUED

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Connectable conductor cross section fine-strand without cable end sleeve (EF007341)	0.14 mm ²
Connectable conductor cross section fine-strand with cable end sleeve (EF007339)	0.25 mm ²
Connectable conductor cross section solid-core (EF007337)	0.14 mm ²
Type of electric connection (EF003961)	Screw connection
Connectable cable type (EF006816)	Tubular cable
Material of contact surface (EF004020)	Tin
Material contact (EF007544)	Copper
Material insulation body (EF007543)	Polyamide (PA)
Housing material (EF001596)	Other
Housing colour (EF000136)	Green
Inflammability class of insulation material according to UL94 (EF002521)	V0
Operating temperature (EF002393)	-40 °C

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > PCB Connectors (PCC)
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Additional Product Information

Key Commercial Data

Orderkey 1803659

Packing unit 50 pc

Catalog page Page 190 (C-1-2013)

GTIN 4017918045968

Weight per Piece (excluding packing) 7.020 g

Custom tariff number 85366990

Country of origin DE (Germany)

Dimensions

Length [l] 16.1 mm

Width [w] 38.89 mm

Height [h] 11.1 mm

Pitch 3.81 mm

Dimension a 34.29 mm

General

Range of articles MC 1,5/...-ST

Number of positions 10

Connection method Screw connection with tension sleeve

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 I_N 8 A
Nominal cross section 1.5 mm²
Maximum load current 8 A (with 1.5 mm² conductor cross section)
Insulating material PA
Flammability rating according to UL 94 V0
Internal cylindrical gage A1
Stripping length 7 mm
Screw thread M2
Tightening torque, min 0.22 Nm
Tightening torque max 0.25 Nm
Connection data
Conductor cross section solid min. 0.14 mm²
Conductor cross section solid max....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MC 1,5/10-ST-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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