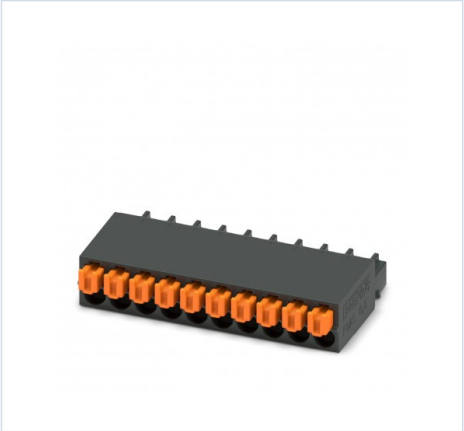
INDUSTRIAL COMPONENT DATA

FMC 0,5/10-ST-2,54 1821177 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: FMC 0,5/10-ST-2,54



Manufacturer	PHOENIX CONTACT
MPN / Reference	FMC 0,5/10-ST-2,54
Catalog number	1821177
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-A1D2C44FBB
Generated	2026-11-18

Product Overview

Printed-circuit board connector
Connector for printed circuit board, nominal section: 0.5 mm², color: black, nominal current: 6 A, nominal voltage (III/2): 160 V, contact surface: Gold, contact type: Female, number of potentials: 10, number of rows: 1, number of poles: 10, number of connections: 10, family of articles: FMC 0.5/.. -ST, pitch: 2.54mm, connection type: Push-in spring connection, conductor/printed circuit board connection direction: 0°, plug-in system: COMBICON FMC 0.5, lock: without, fixing type: without, packaging type: boxed
PCB connector, nominal cross section: 0.5 mm2, color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Au, contact connection type: Socket, number of potentials: 10, number of rows: 1, number of positions: 10, number of connections: 10, product range: FMC 0,5/..-ST, pitch: 2.54 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON FMC 0,5, locking: without, mounting: without, type of packaging: packed in cardboard

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 FMC 0,5/..-ST
Product line COMBICON Connectors XS
Type Standard
Number of positions 10

Pitch 2.54 mm
Number of connections 10
Number of rows 1
Number of potentials 10
Mounting flange without
Data management status
Article revision 05
Electrical propertiesNominal current IN 6 A
Nominal voltage UN 160 V
Contact resistance 2.7 m?
Rated voltage (III/3) 32 V
Rated surge voltage (III/3) 0.8 kV
Rated voltage (III/2) 160 V
Rated surge voltage (III/2) 2.5 kV
Rated voltage (II/2) 160 V
Rated surge voltage (II/2) 1.5 kV
Connection dataConnection technology
Type Standard
Connector system COMBICON FMC 0,5
Nominal cross section 0.5 mm²
Contact connection type Socket
Interlock
Locking type without
Mounting flange without
Conductor connection
Connection method Push-in spring connection
Conductor/PCB connection direction 0 °
Conductor cross section rigid 0.14 mm² ... 0.5 mm²
Conductor cross section flexible 0.14 mm² ... 0.5 mm²
Conductor cross section AWG 26 ... 20
Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm² ... 0.34 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve 0.14 mm² ... 0.25 mm²
Cylindrical gauge a x b / diameter - / 1.0 mm
Stripping length 7 mm
Specifications for ferrules without insulating collar
recommended crimping tool 1212034 CRIMPFOX 6
Specifications for ferrules with insulating collar
recommended crimping tool 1212034 CRIMPFOX 6
Material specifi...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / FMC 0,5/10-ST-2,54 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.