

## INDUSTRIAL COMPONENT DATA

# MC 1,5/12-ST-3,5 BK 1800187 PHOENIX CONTACT

## Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: MC 1,5/12-ST-3,5 BK



|                 |                     |
|-----------------|---------------------|
| Manufacturer    | PHOENIX CONTACT     |
| MPN / Reference | MC 1,5/12-ST-3,5 BK |
| Catalog number  | 1800187             |
| Category        | Cable connector     |
| Minimum order   | 50 Pcs              |
| Document ID     | EO-6B94CA87EA       |
| Generated       | 2026-08-05          |

### Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 1.5 mm<sup>2</sup>, color: black, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Female, number of potentials: 12, number of rows: 1, number of poles: 12, number of connections: 12, family of articles: MC 1.5/..-ST, pitch: 3.5 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, conductor connection direction/printed circuit board: 0 °, plug-in system:

COMBICON MC 1.5, lock: without, fixing type: without, packaging type: boxed

PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Socket, number of potentials: 12, number of rows: 1, number of positions: 12, number of connections: 12, product range: MC 1.5/..-ST, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1.5, 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 MC 1,5/..-ST

Product line COMBICON Connectors S

Number of positions 12

Pitch 3.5 mm

Number of connections 12  
Number of rows 1  
Number of potentials 12  
Mounting flange without  
Data management status  
Article revision 02  
Electrical propertiesNominal current IN 8 A  
Nominal voltage UN 160 V  
Contact resistance 1.3 mΩ  
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 1.5 mm²  
Contact connection type Socket  
Interlock  
Locking type without  
Mounting flange without  
Conductor connection  
Connection method Screw connection with tension sleeve  
Conductor/PCB connection direction 0 °  
Conductor cross section rigid 0.14 mm² ... 1.5 mm²  
Conductor cross section flexible 0.14 mm² ... 1.5 mm²  
Conductor cross section AWG 28 ... 16  
Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm² ... 1.5 mm²  
Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm² ... 0.5 mm²  
2 conductors with same cross section, solid 0.08 mm² ... 0.5 mm²  
2 conductors with same cross section, flexible 0.08 mm² ... 0.75 mm²  
2 conductors with same cross section, flexible, with ferrule without plastic sleeve 0.25 mm² ... 0.34 mm²  
2 conductors with the same cross section, flexi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MC 1,5/12-ST-3,5 BK with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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