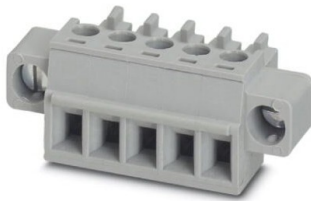


INDUSTRIAL COMPONENT DATA

BCP-381F-12 BK 5452540 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-381F-12 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-381F-12 BK
Catalog number	5452540
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-DD26FDFA59
Generated	2026-08-05

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 1.5 mm², 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, article family: BCP-F, pitch: 3.81 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal groove, conductor connection direction/printed circuit board: 0°, plug-in system: BASICLINE 1.5, locking: Screw locking, fixing type: Aerial clamping (screw), packing type: boxed

PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 12, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin

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)
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Additional Product Information

Data commercial

Key order Five million four hundred fifty two thousand five hundred forty

Packing unit 100 pcs

Key selling AAYCAA -

Minimum order quantity 100 pcs

EAN Four trillion forty six billion three hundred fifty six million eight hundred fifty thousand four hundred fourteen

Unit weight (excluding packaging) 9,323 g

Tariff number tariff Eighty five million three hundred sixty six thousand nine hundred ninety

Country of origin CN (China)

Drawings

Overview

Standards and specifications

Ratings

Dimensions

Data connection

Environmental Product Compliance

Drawings

Diagram

Outline dimensions

[Back to top](#)Dimensions

Length [l] 16,1 mm

Width [w] 56,11 mm

Height [h] 11,1 mm

Step 3,81 mm

Average 41,91 mm

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Family of articles BCP-F

Number of poles Twelve

Type of connection Connection by screw with capsule-traction

Group insulating material I

Transient voltage design (III/3) 2.5 kV

Transient voltage design (III/2) 2.5 kV

Transient voltage design (II/2) 2.5 kV

Tension and sizing (III/3) 160 V

Tension and sizing (III/2) 160 V

Tension and sizing (II/2) 320 V

Connection according to standard EN-VDE

Nominal current IN 8 To

Nominal cross section 1.5 mm²

Maximum load current 8 A (with a section of conductor 1.5 mm²)

Isolation PA

Class of flammability according to UL 94 V0

Gauge male A1

Length desaislar 7 mm

Screw thread M2

Tightening torque min. 0.22 Nm

Tightening torque max. 0,25 Nm

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Core cross-section rigid min. 0,2 mm²

Section of conducto...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-381F-12 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

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