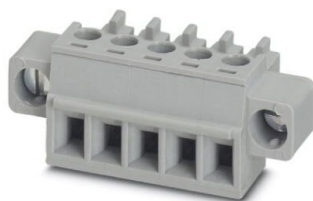


INDUSTRIAL COMPONENT DATA

BCP-381F-16 GY 5435255 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-381F-16 GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-381F-16 GY
Catalog number	5435255
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-13288AFE4E
Generated	2026-08-04

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 1.5 mm², color: signal gray, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Female, number of potentials: 16, number of rows: 1, number of poles: 16, number of connections: 16, article family: BCP-F, pitch: 3.81 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal groove, conductor/printed circuit board connection direction: 0 °, plug-in system: BASICLINE 1.5, locking: Screw locking, fixing type: Air clamping (screw), packaging type: boxed
PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, nominal cross section: 1.5 mm², number of positions: 16, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, color: signal grey, 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)

Additional Product Information

Key Commercial Data

Orderkey 5435255

Packing unit 1 pc

Minimum order quantity 100 pc

GTIN 4046356172073

Weight per Piece (excluding packing) 12.530 g

Custom tariff number 85366990

Country of origin CN (China)

Drawings

General

Standards and Regulations

Classifications

Dimensions

Connection data

Environmental Product Compliance

Drawings

Diagram

Dimensional drawing

[Back to top](#)Dimensions

Length [l] 16.1 mm

Width [w] 71.35 mm

Height [h] 11.1 mm

Pitch 3.81 mm

Dimension a 57.15 mm

[Back to top](#)General

Range of articles BCP-F

Number of positions 16

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

[Back to top](#)Connection data

Conductor cross section solid min. 0.2 mm²

Conductor cross section solid max. 1.5 mm²

Conductor cross section flexible min. 0.2 mm²

Conductor cross section flexible max. 1.5 mm²

Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm²

Conductor cross section flexible, with....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-381F-16 GY 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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