INDUSTRIAL COMPONENT DATA

BCP-500F-18 BK 5452565 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-500F-18 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-500F-18 BK
Catalog number	5452565
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-07AFFA98AB
Generated	2026-11-18

Product Overview

Printed-circuit board connector
Connector for printed circuit board, nominal section: 2.5 mm², color: black, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Female, number of potentials: 18, number of rows: 1, number of poles: 18, number of connections: 18, article family: BCP-F, pitch: 5 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, conductor connection direction/printed circuit board: 0 °, clamping hook: - without clamping hook, plug-in system: BASICLINE 2.5, locking: Screw locking, fixing type: Air clamping (screw), packaging type: boxed
PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 2.5 mm², number of positions: 18, pitch: 5 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)

Additional Product Information

Key Commercial Data
Orderkey 5452565
Packing unit 1 pc
Minimum order quantity 100 pc
GTIN 4046356850162
Weight per Piece (excluding packing) 0.000 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 topDimensions
Length [l] 18.2 mm
Width [w] 99.94 mm
Height [h] 15 mm
Pitch 5 mm
Dimension a 85 mm
Back to topGeneral
Range of articles BCP-F
Number of positions 18
Connection method Screw connection with tension sleeve
Insulating material group I
Rated surge voltage (III/3) 4 kV
Rated surge voltage (III/2) 4 kV
Rated surge voltage (II/2) 4 kV
Rated voltage (III/3) 250 V
Rated voltage (III/2) 320 V
Rated voltage (II/2) 630 V
Connection in acc. with standard EN-VDE
Nominal current IN 12 A
Nominal cross section 2.5 mm²
Maximum load current 12 A (with a 2.5 mm² conductor cross section)
Insulating material PA
Flammability rating according to UL 94 V0
Stripping length 7 mm
Screw thread M3
Tightening torque, min 0.4 Nm
Tightening torque max 0.5 Nm
Back to topConnection data
Conductor cross section solid min. 0.2 mm²
Conductor cross section solid max. 2.5 mm²
Conductor cross section flexible min. 0.2 mm²
Conductor cross section flexible max. 2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max. 2.5 mm...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-500F-18 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

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.