

## INDUSTRIAL COMPONENT DATA

# BCP-500-18 BK 5452228 PHOENIX CONTACT Part plug,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° pole..

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



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | PHOENIX CONTACT |
| MPN / Reference | BCP-500-18 BK   |
| Catalog number  | 5452228         |
| Category        | Cable connector |
| Minimum order   | 100 Pcs         |
| Document ID     | EO-61B4F2EFF1   |
| Generated       | 2026-08-06      |

## Product Overview

Part plug,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° poles: 18,Pitch: 5 mm,Technique of connection: Connection by screw with capsule-traction,Color: black,contact Surface: Tin

Connector for printed circuit board, nominal section: 2.5 mm<sup>2</sup>, 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, pitch: 5 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, conductor/printed circuit board connection direction: 0 °, clamping hook: - Clamping hook, plug-in system: BASICLINE 2.5, locking: without, fixing type: without, packaging type: boxed

PCB connector, nominal cross-section: 2.5 mm<sup>2</sup>, colour: black, rated current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact type: socket, number of potentials: 18, number of rows: 1, number of poles: 18, number of terminals: 18, article family: BCP, pitch: 5 mm, connection type: screw connection with pull sleeve, screw attack shape: L longitudinal slot, connection direction conductor/board: 0 °, locking hook: - locking hook, plug-in system: BASICLINE 2.5, locking: without, mounting type: Packing type: packed in carton

## 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

Data commercial

Key order Five million four hundred fifty two thousand two hundred twenty eight

Packing unit 100 pcs

Key selling AAYBAA -

Minimum order quantity 100 pcs

EAN Four trillion forty six billion three hundred fifty six million eight hundred fifty three thousand five hundred thirty eight

Unit weight (excluding packaging) 29,473 g

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

Country of origin CN (China)

Dimensions

Length [ l ] 18,2 mm

Width [ w ] 90 mm

Height [ h ] 15 mm

Step 5 mm

Average 85 mm

Overview

Family of articles BCP

Number of poles Eighteen

Type of connection Connection by screw with capsule-traction

Group insulating material I

Transient voltage design (III/3) 4 kV

Transient voltage design (III/2) 4 kV

Transient voltage design (II/2) 4 kV

Tension and sizing (III/3) 250 V

Tension and sizing (III/2) 320 V

Tension and sizing (II/2) 630 V

Connection according to standard EN-VDE

Nominal current IN 12 To

Nominal cross section 2.5 mm<sup>2</sup>

Maximum load current 12 (with a section of conductor 2.5 mm<sup>2</sup>)

Isolation PA

Class of flammability according to UL 94 V0

Length desaislar 7 mm

Screw thread M3

Tightening torque min. 0.4 Nm

Tightening torque max. 0.5 Nm

Data connection

Core cross-section rigid min. 0,2 mm<sup>2</sup>

Section of conductor rigid max. 2.5 mm<sup>2</sup>

Section of flexible conductor, min. 0,2 mm<sup>2</sup>

Section of flexible conductor max. 2.5 mm<sup>2</sup>

Section of flexible conductor with toe cap, without plastic sleeve min. 0.25 mm<sup>2</sup>

Section of....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-500-18 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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