

## INDUSTRIAL COMPONENT DATA

# BCP-500F- 6 GN 5448488 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-500F-6 GN



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | PHOENIX CONTACT |
| MPN / Reference | BCP-500F-6 GN   |
| Catalog number  | 5448488         |
| Category        | Cable connector |
| Minimum order   | 100 Pcs         |
| Document ID     | EO-C1D60990F1   |
| Generated       | 2026-08-05      |

## Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal cross-section: 2.5 mm<sup>2</sup>, color: off-white, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Female, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, 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 mm<sup>2</sup>, number of positions: 6, pitch: 5 mm, connection method: Screw connection with tension sleeve, color: pastel green, 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 5448488

Packing unit 1 pc

Minimum order quantity 100 pc

GTIN 4046356837927

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 top](#)Dimensions

Length [ l ] 18.2 mm

Width [ w ] 39.94 mm

Height [ h ] 15 mm

Pitch 5 mm

Dimension a 25 mm

[Back to top](#)General

Range of articles BCP-F

Number of positions 6

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

Nominal current I<sub>N</sub> 12 A

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

Maximum load current 12 A (with a 2.5 mm<sup>2</sup> 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 top](#)Connection data

Conductor cross section solid min. 0.2 mm<sup>2</sup>

Conductor cross section solid max. 2.5 mm<sup>2</sup>

Conductor cross section flexible min. 0.2 mm<sup>2</sup>

Conductor cross section flexible max. 2.5 mm<sup>2</sup>

Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm<sup>2</sup>

Conductor cross section flexible, with ferrule without plastic sleeve max. 2.5 mm<sup>2</sup>

Conductor cross section flexible, with....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-500F-6 GN 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

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.