

**INDUSTRIAL COMPONENT DATA**

# BCP-500- 8 GN 5441906 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-500-8 GN



|                 |                 |
|-----------------|-----------------|
| Manufacturer    | PHOENIX CONTACT |
| MPN / Reference | BCP-500-8 GN    |
| Catalog number  | 5441906         |
| Category        | Cable connector |
| Minimum order   | 100 Pcs         |
| Document ID     | EO-12A85608DA   |
| 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 green, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Female, number of potentials: 8, number of rows: 1, number of poles: 8, number of connections: 8, article family: BCP, 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: - Clamping hook, plug-in system: BASICLINE 2.5, locking: without, fixing type: without, packaging type: packed in box

**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 &gt; PCB Connectors (PCC)

## Additional Product Information

Key Commercial Data

Orderkey 5441906

Packing unit 100 pc

Minimum order quantity 100 pc

GTIN 4046356827959

Weight per Piece (excluding packing) 12.770 g

Custom tariff number 85366990

Country of origin CN (China)

Dimensions

Length [ l ] 18.2 mm

Width [ w ] 40 mm  
Height [ h ] 15 mm  
Pitch 5 mm  
Dimension a 35 mm  
General  
Range of articles BCP  
Number of positions 8  
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  $I_N$  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  
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 ferrule with plastic sleeve min. 0.25 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule with plastic sleeve max. 2.5 mm<sup>2</sup>  
Conductor cross section AWG m...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-500-8 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

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