

INDUSTRIAL COMPONENT DATA

BCP-500- 9 GY BD:22-10 SO 1705432 PHOENIX CONTACT

Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-500- 9 GY BD:22-10 SO



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-500- 9 GY BD:22-10 SO
Catalog number	1705432
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-D005BCE509
Generated	2026-08-05

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 2.5 mm², color: signal gray, nominal current: 12 A, dimensioning voltage (III/2): 320 V, contact surface: Tin, contact type: Female connection, Number of potentials: 9, Number of rows: 1, Number of poles per row: 9, number of connections: 9, article family: BCP, pitch: 5 mm, connection type: Screw connection with traction capsule, connection direction conductor/printed circuit board: 0 °, Stecksyst.: BASICLINE 2.5, Lock: without, packaging type: boxed

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 1705432

Packing unit 100 pc

Minimum order quantity 100 pc

Note Made to Order (non-returnable)

GTIN 4046356769679

Weight per Piece (excluding packing) 14.300 g

Custom tariff number 85366990

Country of origin CN (China)

Dimensions

Length [l] 18.2 mm

Width [w] 45 mm

Height [h] 15 mm

Pitch 5 mm

Dimension a 40 mm

General

Range of articles BCP

Number of positions 9

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 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

Connection 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 mm²

Conductor cross section flexible, with ferrule with plastic sleeve min. 0.25 mm²

Conductor cross section flexible, with ferrule with plastic sleeve max. 2...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-500- 9 GY BD:22-10 SO 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.