INDUSTRIAL COMPONENT DATA

BCP-500- 3 GYCP2 BD:1/+ SO 5430141 PHOENIX CONTACT PCB connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-500-3 GYCP2 BD:1/+ SO



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-500-3 GYCP2 BD:1/+ SO
Catalog number	5430141
Category	Printed circuit board connector
Minimum order	1 Pcs
Document ID	EO-BF909D0B27
Generated	2026-11-18

Product Overview

BCP-500- 3 GYCP2 BD:1/+ SO 5430141 PHOENIX CONTACT PCB connector

STRUCTURED PRODUCT DATA

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Type of connection (EF000064)	**Other**
Contact type (EF001587)	**Bus**
Number of poles (EF001391)	**3**
Number of plug-in contact rows (EF006935)	**1**
Modular spacing contacts (EF007326)	**5 mm**
Modular spacing connections (EF006827)	**5 mm**
Angle contact/conductor connection (EF007546)	**Other**
Rated current In (EF008250)	**12 A**
Rated voltage (EF000228)	**320 V**
Rated surge voltage (EF002993)	**4 kV**
Over voltage category (EF006785)	**III**
Pollution degree (EF006786)	**2**
Connectable conductor cross section fine-strand without cable end sleeve (EF007341)	**0.2 mm²**
Connectable conductor cross section fine-strand with cable end sleeve (EF007339)	**0.25 mm²**
Connectable conductor cross section solid-core (EF007337)	**0.2 mm²**

CONTINUED

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Type of electric connection (EF003961)	**Screw connection**
Connectable cable type (EF006816)	**Tubular cable**
Material of contact surface (EF004020)	**Tin**
Material contact (EF007544)	**Copper**
Material insulation body (EF007543)	**Polyamide (PA)**
Housing material (EF001596)	**Other**
Housing colour (EF000136)	**Other**
Inflammability class of insulation material according to UL94 (EF002521)	**V0**
Operating temperature (EF002393)	**-40 °C**

Classification & Catalog Path

Catalog path	**PHOENIX CONTACT > PCB Connectors (PCC)**

Additional Product Information

PCB connector
Connector for printed circuit board, nominal section: 2.5 mm², color: signal gray, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Female, number of potentials: 3, number of rows: 1, number of poles: 3, number of connections: 3, 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

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-500-3 GYCP2 BD:1/+ 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.