INDUSTRIAL COMPONENT DATA

BCP-508F-20 GY 5436131 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-508F-20 GY

PRODUCT IMAGE\nNOT AVAILABLE

Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-508F-20 GY
Catalog number	5436131
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-9D56128A65
Generated	2026-11-18

Product Overview

Printed-circuit board connector
Connector for printed circuit board, nominal cross-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: 20, number of rows: 1, number of poles: 20, number of connections: 20, article family: BCP-F, pitch: 5.08 mm, connection type: Screw connection with traction capsule, screw clamping method: H1L Philipps-Recess with longitudinal groove, connection direction conductor/printed circuit board: 0 °, clamping hook: - without clamping hook, plug-in system: BASICLINE 2.5, locking: Screw locking, fixing type: Aerial clamping (screw), 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

PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 20, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: signal grey, contact surface: Tin
Key Commercial Data
Orderkey 5436131
Packing unit 100 pc
Minimum order quantity 100 pc
Note Made to Order (non-returnable)
GTIN 4046356172530
Weight per Piece (excluding packing) 35.170 g

Custom tariff number 85366990
Country of origin CN (China)
Dimensions
Length [l] 18.2 mm
Width [w] 111.62 mm
Height [h] 15 mm
Pitch 5.08 mm
Dimension a 96.52 mm
General
Range of articles BCP-F
Number of positions 20
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/2) 320 V
Rated voltage (II/2) 630 V
Nominal current IN 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
Minimum AWG according to UL/CUL 30
Maximum AWG according to UL/CUL 12
Standards and Regulations
Connection in acc. with standard CUL
Flammability rating according to UL 94 V0
Environmental Product Compliance
REACh SVHC
Lead 7439-92-1
China RoHS Environmentally Friendly Use Period = 50
For details about hazardous substances go to tab “Downloads”,...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-508F-20 GY 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.