

INDUSTRIAL COMPONENT DATA

**BCP-508F- 2 BK 5452568 PHOENIX CONTACT Part
plug,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° pol..**

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-508F-2 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-508F-2 BK
Catalog number	5452568
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-E188BBF396
Generated	2026-08-02

Product Overview

Part plug,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° poles: 2,Pitch: 5,08 mm,the Technique of connection:

Connection by screw with capsule-traction,Color: black,contact Surface: Tin

Connector for printed circuit board, nominal section: 2.5 mm², color: black, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Female, number of potentials: 2, number of rows: 1, number of poles: 2, number of connections: 2, article family: BCP-F, pitch: 5.08 mm, connection type: Screw connection with traction capsule, screw clamping form: H1L Philipps-Recess with longitudinal groove, 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

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)
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Additional Product Information

Commercial data

Order key 5452568

Packaging unit 100 pcs

Sell key AAYBAA -

Minimum Order Quantity 100 pcs

Ean 4046356850131

Weight per unit (excluding packaging) 4,272 g

Tariff rate number 85366990

Country of origin CN (China)

Dimensions

Length [l] 18.2 mm

Width [w] 20.18 mm

Height [h] 15 mm

Step 5.08 mm

Medium to 5.08 mm

General

Article Family BCP-F

Number of poles 2

Connection type Screw connection with traction capsule

Insulating material group I

Dimensioning transient voltage (III/3) 4 kV

Dimensioning Transient Voltage (III/2) 4 kV

Dimensioning transient voltage (II/2) 4 kV

Dimensioning voltage (III/2) 320 V

Sizing voltage (II/2) 630 V

Nominal Current I_N 12 A

Nominal Section 2.5 mm²

Maximum Charging Current 12 A (with a conductor cross-section of 2.5 mm²)

Isolation PA

Combustibility class according to UL 94 V0

Length to be de-insulated 7 mm

Screw thread M3

Min. tightening torque. 0.4 Nm

Max. tightening torque. 0.5 Nm

Standards & Specifications

Standard-compliant connection CUL

Combustibility class according to UL 94 V0

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

China RoHS Time Span for Intended Use (EFUP): 50 years

You can find information about hazardous substances in the manufacturer's declaration under the "Downloads" tab

Classifications

eCl@ss 4.0272607xeCl@ss 4.127260701eCl@ss 5.027260701eCl@ss 5.127260700eCl@ss 6.027260700eCl@ss

7.027440309eCl@ss 8.027440309eCl@ss 9.027440309

ETIM 3.0EC001121ETIM 4.0EC002638ETIM 5.0EC002638ETIM 6.0EC002638

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCP-508F-2 BK 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

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