INDUSTRIAL COMPONENT DATA

BCP-508F- 4 BK 5452570 PHOENIX CONTACT Part plug,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. º pol..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCP-508F-4 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCP-508F-4 BK
Catalog number	5452570
Category	Cable connector
Minimum order	100 Pcs
Document ID	EO-E27F3F138D
Generated	2026-11-19

Product Overview

Part plug,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. º poles: 4,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: 4, number of rows: 1, number of poles: 4, number of connections: 4, 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)

Additional Product Information

Commercial data
Order key 5452570
Packaging unit 100 pcs
Sell key AAYBAA -
Minimum Order Quantity 100 pcs
Ean 4046356850117
Weight per unit (excluding packaging) 7,496 g
Tariff rate number 85366990

Country of origin CN (China)
Dimensions
Length [l] 18.2 mm
Width [w] 30.34 mm
Height [h] 15 mm
Step 5.08 mm
Medium to 15.24 mm
General
Article Family BCP-F
Number of poles 4
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 IN 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 4.0272607xxeCl@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-4 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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