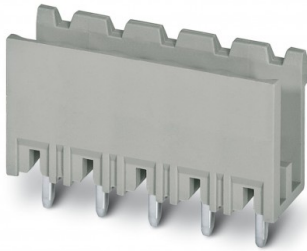


INDUSTRIAL COMPONENT DATA

BCH-500V-18 BK 5452405 PHOENIX CONTACT Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-500V-18 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCH-500V-18 BK
Catalog number	5452405
Category	Printed circuit board connector
Minimum order	100 Pcs
Document ID	EO-97100F4415
Generated	2026-08-05

Product Overview

Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° poles: 18,Pitch: 5 mm,Color: black,contact Surface: Tin,Assembly: wave Soldering

Printed circuit board base housing, nominal section: 2.5 mm², color: black, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact connection type: Male, number of potentials: 18, number of rows: 1, number of poles: 18, number of connections: 18, article family: BCH-V, pitch: 5 mm, mounting: Wave soldering, Pin arrangement: Linear pin arrangement, pin length [P]: 3.9 mm, number of solder pins per potential: 1, plug-in system: BASICLINE 2.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: boxed

PCB header, nominal cross-section: 2.5 mm², colour: black, nominal current: 12 A, reference voltage (III/2): 320 V, contact area: Sn, contact type: Male, number of potentials: 18, number of rows: 1, number of poles: 18, number of connections: 18, item range: BCH-V, pitch: 5 mm, mounting: Wave soldering, Spindle plan: Linear pinout, spindle length [P]: 3.9 mm, number of pins per potential: 1, Plug-in system: BASICLINE 2.5, Orientation of the plug-in pattern: Standard, Locking: without, Fastening type: without, Packaging type: Packed in a carton

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

Data commercial

Key order Five million four hundred fifty two thousand four hundred five

Packing unit 100 pcs

Key selling AAYBHA -

Minimum order quantity 100 pcs

EAN Four trillion forty six billion three hundred fifty six million eight hundred fifty one thousand seven hundred sixty three

Unit weight (excluding packaging) 6,550 g

Tariff number tariff Eighty five million three hundred sixty six thousand nine hundred ninety

Country of origin CN (China)

Dimensions

Length [l] 8.6 mm

Width 90 mm

Step 5 mm

Average 85 mm

Width [w] 90 mm

Height [h] 15.9 mm

Height of construction 12 mm

Length of the pin welding 3.9 mm

Dimensions of pin 1 x 1 mm

Length 8.6 mm

Overview

Family of articles BCH-V

Group insulating material I

Transient voltage design (III/3) 4 kV

Transient voltage design (III/2) 4 kV

Transient voltage design (II/2) 4 kV

Tension and sizing (III/3) 250 V

Tension and sizing (III/2) 320 V

Tension and sizing (II/2) 400 V

Connection according to standard EN-VDE

Nominal current IN 12 To

Maximum load current 12 To

Isolation PA

Class of flammability according to UL 94 V0

Color black

Number of poles Eighteen

Standards and specifications

Connection according to standard EN-VDE

CUL

Class of flammability according to UL 94 V0

Environmental Product Compliance

China RoHS Space of time for the intended use: unlimited = FEUP-e

No dangerous substances above the thresholds

Ratings

eCl@ss 4.0272607xxeCl@ss 4.1Twenty seven million two hundred sixty thousand seven hundred oneeCl@ss 5.0Twent...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-500V-18 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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