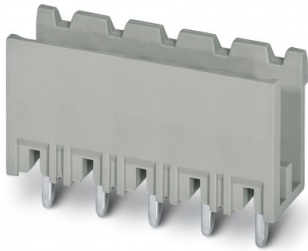


INDUSTRIAL COMPONENT DATA

BCH-500V-10 GN 5445740 PHOENIX CONTACT Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-500V-10 GN



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCH-500V-10 GN
Catalog number	5445740
Category	Printed circuit board connector
Minimum order	100 Pcs
Document ID	EO-5A463F9071
Generated	2026-08-05

Product Overview

Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° poles: 10,Pitch: 5 mm,Color: whitish green,contact Surface: Tin,Assembly: wave Soldering

Printed circuit board base housing, nominal section: 2.5 mm², color: whitish green, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact connection type: Male, number of potentials: 10, number of rows: 1, number of poles: 10, number of connections: 10, 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 base strip, nominal cross-section: 2.5 mm², color: white-green, rated current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact type: pin, number of potentials: 10, number of rows: 1, number of poles: 10, number of connectors: 10, article family: BCH-V, pitch: 5 mm, mounting: wave soldering, pin layout: linear pinning, pin length [P]: 3.9 mm, number of solder pins per potential: 1, connector system: BASICLINE 2.5, mating face orientation: Standard, Locking: without, Mounting 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

Technical dataItem propertiesProduct Type PCB Floor Strip

Product family BCH-V

Product Line COMBICON Connectors M

Design Standard

Number of poles 10
Grid dimension 5 mm
Number of ports 10
Number of rows 1
Number of potentials 10
Mounting Flange without
Pin layout Linear Pinning
Number of solder pins per potential 1
Data maintenance status
Article revision 01
Electrical propertiesNominal current IN 12 A
Rated voltage UN 320 V
Contact resistance 3.7 m?
Rated voltage (III/3) 250 V
Rated Surge Voltage (III/3) 4 kV
Rated voltage (III/2) 320 V
Rated Surge Voltage (III/2) 4 kV
Rated voltage (II/2) 400 V
Rated Surge Voltage (II/2) 4 kV
AssemblyMounting type Wave Soldering
Pin layout Linear Pinning
Material specificationsMaterial information - Contact
Note WEEE/RoHS compliant, whisker-free according to IEC 60068-2-82/JEDEC JESD 201
Material Contact Cu alloy
Surface finish Electroplated
Metal Surface Contact Area (Top Layer) Tin (4 - 8 um Sn)
Metal Surface Contact Area (Interlayer) Nickel (1.5 - 4 um Ni)
Metal Surface Soldering Area (Top Layer) Tin (4 - 8 um Sn)
Metal Surface Soldering Area (Interlayer) Nickel (1.5 - 4 um Ni)
Material specifications - Housing
Color (Housing) White-green (6019)
Insulating material PA
Insulating material group I
CTI according to IEC 60112 600
Flammability class according to UL 94 V0
Glow wire flammability index GWFI according to EN 60695-2-12 850
Glow wire ignition temperature GWIT according to EN 60695-2-13 775
Temperature of the ball pressure test acc...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-500V-10 GN 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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