INDUSTRIAL COMPONENT DATA

BCH-500VS- 6 GN 5446121 PHOENIX CONTACT Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. º..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-500VS-6 GN



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCH-500VS-6 GN
Catalog number	5446121
Category	Printed circuit board connector
Minimum order	100 Pcs
Document ID	EO-FCBB105E52
Generated	2026-11-19

Product Overview

Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. º poles: 6,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 type: Male, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, article family: BCH-VS, 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

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

Technical dataItem PropertiesProduct Type Printed circuit board base housing
Product Family BCH-VS
Product Line COMBICON Connectors M
Construction Standard
Number of poles 6
Step 5 mm
Number of connections 6
Number of rows 1
Number of potentials 6

Clamping flange without
Pin Design Linear Pin Arrangement
Number of Solder Pins Per Potential 1
Data Maintenance Status
Article Review 01
Electrical PropertiesNominal Current IN 12 A
Nominal voltage UN 320 V
Contact resistance 3.7 m?
Sizing voltage (III/3) 250 V
Dimensioning transient voltage (III/3) 4 kV
Dimensioning voltage (III/2) 320 V
Dimensioning Transient Voltage (III/2) 4 kV
Nominal voltage (II/2) 400 V
Dimensioning transient voltage (II/2) 4 kV
assemblyType of mounting Wave soldering
Pin Design Linear Pin Arrangement
Material DataMaterial data - contact
Observation WEEE/RoHS compliant, filament-free according to IEC 60068-2-82/JEDEC JESD 201
Contact material Cu Alloy
Surface Characteristics Galvanically tinned
Metal surface contact area (top layer) Tin (4 - 8 um Sn)
Metal Surface Contact Area (Middle Layer) Nickel (1.5 - 4 um Ni)
Metal surface weld area (top layer) Tin (4 - 8 um Sn)
Metal Surface Welding Area (Middle Layer) Nickel (1.5 - 4 um Ni)
Material data - housing
Color (Housing) off-white green (6019)
Insulating material PA
Insulating material group I
CTI according to IEC 60112 600
Flammability class according to UL 94 V0
Flammability number of GWFI incandescent filaments according to EN 60695-2-12 850
Ignition temp...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-500VS-6 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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