

INDUSTRIAL COMPONENT DATA

BCH-500H-23 GN 5445232 PHOENIX CONTACT Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-500H-23 GN



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCH-500H-23 GN
Catalog number	5445232
Category	Printed circuit board connector
Minimum order	100 Pcs
Document ID	EO-13BEB2DF98
Generated	2026-08-04

Product Overview

Housing base,nominal Current: 12 A,rated Voltage (III/2): 320 V,N. ° poles: 23,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: 23, number of rows: 1, number of poles: 23, number of connections: 23, article family: BCH-H, pitch: 5 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.5 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: green white, nominal current: 12 A, reference voltage (III/2): 320 V, contact area: Sn, contact type: Male, number of potentials: 23, number of rows: 1, number of poles: 23, number of connections: 23, article range: BCH-H, pitch: 5 mm, mounting: Wave soldering, Spindle plan: Linear pinout, spindle length [P]: 3.23 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)
--------------	--

Additional Product Information

Technical characteristicsProduct PropertiesProduct Type PCB header

Product range BCH-H

Product Line COMBICON Connectors M

Type Standard

Number of poles 23
Steps 5 mm
Number of connections 23
Number of rows 1
Number of potentials 23
Mounting Flange without
Pinout plot Linear pinout
Number of pins per potential 1
Data Management Status
Revision of the article 00
Electrical properties Rated Current IN 12 A
Rated voltage UN 320 V
Reference voltage (III/3) 250 V
Rated Shock Resistance Voltage (III/3) 4 kV
Rated Voltage (III/2) 320 V
Rated Shock Withstand Voltage (III/2) 4 kV
Reference voltage (II/2) 400 V
Rated Shock Withstand Voltage (II/2) 4 kV
Mounting Mounting Type Wave Welding
Pinout plot Linear pinout
Material Guidance Material indication - contact
Note WEEE/RoHS compliant, trichite-free according to IEC 60068-2-82/JEDEC JESD 201
Contact material Cu Alloy
Surface quality Galvanic tinning
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, welding area (top layer) Tin (4 - 8 um Sn)
Metal surface, welding area (middle layer) Nickel (1.5 - 4 um Ni)
Material indication - housing
Colors (Cases) Green White (6019)
Insulating material PA
Insulation Group I
CRI according to IEC 60112 600
Flammability class according to UL 94 V0
GWFI glow wire flammability class according to EN 60695-2-12 850
GWIT glow wire ignition temperature according to EN 60695-2-13 775
Ball pressure test temperature according t...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-500H-23 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.