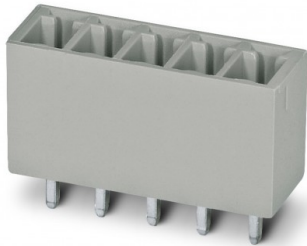


INDUSTRIAL COMPONENT DATA

BCH-381V-18 GN 5444806 PHOENIX CONTACT Housing base,nominal Current: 8 A,rated Voltage (III/2): 160 V,N. ° p..

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-381V-18 GN



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCH-381V-18 GN
Catalog number	5444806
Category	Printed circuit board connector
Minimum order	100 Pcs
Document ID	EO-A507010A1F
Generated	2026-08-04

Product Overview

Housing base,nominal Current: 8 A,rated Voltage (III/2): 160 V,N. ° poles: 18,Pitch: 3,81 mm,Color: whitish green,contact Surface: Tin,Assembly: wave Soldering

Printed circuit board base housing, nominal section: 1.5 mm², color: whitish green, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 18, number of rows: 1, number of poles: 18, number of connections: 18, article family: BCH-V, pitch: 3.81 mm, mounting: Wave soldering, Pin arrangement: Linear pin arrangement, pin length [P]: 3.4 mm, number of solder pins per potential: 1, plug-in system: BASICLINE 1.5, Plug-in face orientation: Standard, lock: without, fixing type: without, packaging type: boxed

PCB headers, nominal cross section: 1.5 mm², color: pastel green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 18, number of rows: 1, number of positions: 18, number of connections: 18, product range: BCH-V, pitch: 3.81 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.4 mm, number of solder pins per potential: 1, plug-in system: BASICLINE 1,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard

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 dataProduct propertiesProduct type PCB headers

Product family BCH-V

Product line COMBICON Connectors S

Type Standard

Number of positions 18
Pitch 3.81 mm
Number of connections 18
Number of rows 1
Number of potentials 18
Mounting flange without
Pin layout Linear pinning
Solder pins per potential 1
Data management status
Article revision 01
Electrical propertiesNominal current IN 8 A
Rated voltage UN 160 V
Contact resistance 2 m?
Rated voltage (III/3) 160 V
Rated surge voltage (III/3) 2.5 kV
Rated voltage (III/2) 160 V
Rated surge voltage (III/2) 2.5 kV
Rated voltage (II/2) 320 V
Rated surge voltage (II/2) 2.5 kV
MountingMounting type Wave soldering
Pin layout Linear pinning
Material specificationsMaterial data - contact
Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material Cu alloy
Surface characteristics Tin-plated
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 soldering area (top layer) Tin (4 - 8 um Sn)
Metal surface soldering area (middle layer) Nickel (1.5 - 4 um Ni)
Material data - housing
Color (Housing) Pastel Green (6019)
Insulating material Phantom Assassin
Insulating material group I
CTI according to IEC 60112 600
Flammability rating 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 for the ball pressure t...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-381V-18 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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