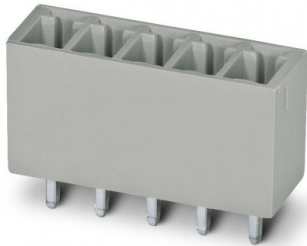


INDUSTRIAL COMPONENT DATA

BCH-381V- 6 GY 5431602 PHOENIX CONTACT Printed-circuit board connector BCH-381V- 6 GY 5431602

Brand: PHOENIX CONTACT | Manufacturer Part Number: BCH-381V-6 GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	BCH-381V-6 GY
Catalog number	5431602
Category	Printed circuit board connector
Minimum order	100 Pcs
Document ID	EO-D704EEE117
Generated	2026-08-05

Product Overview

Printed-circuit board connector - BCH-381V- 6 GY - 5431602

Printed circuit board base housing, nominal section: 1.5 mm², color: signal gray, nominal current: 8 A, nominal voltage (III/2): 160 V, contact surface: Tin, contact type: Male, number of potentials: 6, number of rows: 1, number of poles: 6, number of connections: 6, family of articles: 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: signal grey, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Pin, number of potentials: 6, number of rows: 1, number of positions: 6, number of connections: 6, 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)

Additional Product Information

PCB headers, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, color: signal grey, contact surface: Tin, mounting: Wave soldering

Key Commercial Data

Orderkey 5431602

Packing unit 100 pc

Minimum order quantity 100 pc

GTIN 4046356169295

Weight per Piece (excluding packing) 1.300 g

Custom tariff number 85366930

Country of origin CN (China)

Dimensions

Length [l] 7.4 mm

Width 24.25 mm

Pitch 3.81 mm

Dimension a 19.05 mm

Width [w] 24.25 mm

Height [h] 12.6 mm

Height 9.2 mm

Length of the solder pin 3.4 mm

Pin dimensions 0.8 x 0.8 mm

Length 7.4 mm

General

Range of articles BCH-V

Insulating material group I

Rated surge voltage (III/3) 2.5 kV

Rated surge voltage (III/2) 2.5 kV

Rated surge voltage (II/2) 2.5 kV

Rated voltage (III/3) 160 V

Rated voltage (III/2) 160 V

Rated voltage (II/2) 320 V

Connection in acc. with standard EN-VDE

Nominal current I_N 8 A

Insulating material PA

Flammability rating according to UL 94 V0

Color signal grey

Number of positions 6

Standards and Regulations

Connection in acc. with standard EN-VDE

CUL

Flammability rating according to UL 94 V0

Environmental Product Compliance

China RoHS Environmentally friendly use period: unlimited = EFUP-e

No hazardous substances above threshold values

Classifications

eCl@ss 4.0272607xxeCl@ss 4.127260701eCl@ss 5.027260701eCl@ss 5.127260700eCl@ss 6.027260700eCl@ss
7.027440402eCl@ss 8.027440402eCl@ss 9.027440402

ETIM 3.0EC001121ETIM 4.0EC002637ETIM 5.0EC002637ETIM 6.0EC002637ETIM 7....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BCH-381V-6 GY 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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