

## INDUSTRIAL COMPONENT DATA

# D31H 2,2/ 5-H-3,81-Y 1341120 PHOENIX CONTACT Printed circuit board base housing, color: black, rated current..

Brand: PHOENIX CONTACT | Manufacturer Part Number: D31H 2,2/ 5-H-3,81-Y



|                 |                                 |
|-----------------|---------------------------------|
| Manufacturer    | PHOENIX CONTACT                 |
| MPN / Reference | D31H 2,2/ 5-H-3,81-Y            |
| Catalog number  | 1341120                         |
| Category        | Printed circuit board connector |
| Minimum order   | 50 Pcs                          |
| Document ID     | EO-50AEFA12C0                   |
| Generated       | 2026-08-05                      |

## Product Overview

Printed circuit board base housing, color: black, rated current: 8 A, rated voltage (III/2): 160 V, contact surface: Sn, contact connection type: Male, number of rows: 1, number of poles: 5, item family: D31H 2,2/.. -H, pitch: 3.81 mm, mounting: Wave welding, pin arrangement: Linear pin arrangement, pin length [P]: 3.8 mm, number of solder pins per potential: 1, plug-in system: CONNEXIS D, Plug-in face orientation: Standard, locking: Snap-in lock, clamping type: Socket protrusion, packaging type: boxed

PCB base housing, color: black, rated current: 8 A, rated voltage (III/2): 160 V, surface contacts: tin, contact type: Male, number of rows: 1, number of poles: 5, item family: D31H 2,2/.. -H, pitch: 3.81 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.8 mm, number of solder pins per potential: 1, plug-in system: CONNEXIS D, Plug-in Face Orientation: Standard, Locking: Snap Lock, Attachment Type: Lace Protrusion, Packing Type: Boxed Packaging

PCB base strip, color: black, rated current: 8 A, rated voltage (III/2): 160 V, contact surface: tin, contact type: pin, number of rows: 1, number of poles: 5, article family: D31H 2,2/.. -H, Pitch: 3.81 mm, Mounting: Wave Soldering, Pin Layout: Linear Pinning, Pin Length [P]: 3.8 mm, Number of Solder Pins per Potential: 1, Mating System: CONNEXIS D, Mating Face Alignment: Standard, Locking: Latching...

## 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 &gt; PCB Connectors (PCC)

## Additional Product Information

Technical dataItem propertiesProduct Line CONNEXIS Connectors S  
Product Type PCB Floor Strip

Product family D31H 2,2/.. -H

Number of poles 5

Grid dimension 3.81 mm

Number of rows 1

Pin layout Linear Pinning

Number of solder pins per potential 1

Electrical propertiesNominal current IN 8 A

Rated voltage UN 160 V

Degree of contamination 3

Contact resistance 5 mΩ

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

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 (3 - 5 μm Sn)

Metal Surface Contact Area (Interlayer) Nickel (1.3 - 3 μm Ni)

Metal Surface Soldering Area (Top Layer) Tin (3 - 5 μm Sn)

Metal Surface Soldering Area (Interlayer) Nickel (1.3 - 3 μm Ni)

Material specifications - Housing

Color (Housing) black (9005)

Insulating material PBT

Insulating material group II

CTI according to IEC 60112 400 ≤ CTI

Flammability class according to UL 94 V0

RemarksContact Notice These connectors are according to DIN EN 61984, connectors without switching capacity (COC).

When used as intended, they must not be plugged in or disconnected in a live or under load.

Note on use The current depends on the crimp contact...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / D31H 2,2/ 5-H-3,81-Y with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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