INDUSTRIAL COMPONENT DATA

DD31H 2,2/12-H-3,81-Y 1341381 PHOENIX CONTACT Printed circuit board base housing, color: black, rated curren..

Brand: PHOENIX CONTACT | Manufacturer Part Number: DD31H 2,2/12-H-3,81-Y



Manufacturer	PHOENIX CONTACT
MPN / Reference	DD31H 2,2/12-H-3,81-Y
Catalog number	1341381
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-9F67E84BDF
Generated	2026-11-19

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: 2, number of poles: 12, item family: DD31H 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 DD, 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: 2, number of poles: 12, item family: DD31H 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 DD, Plug-in Face Orientation: Standard, Locking: Lace Lock, Attachment Type: Socket Overhang, Packing Type: Boxed Packaging
PCB headers, color: black, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Pin, number of rows: 2, number of positions: 12, product range: DD31H 2,2/..-H, pitch: 3.81 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.8 mm, number of solder pins per potential: 1, plug-in system: CONNEXIS DD, Pin connector pattern alig...

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 dataProduct propertiesProduct line CONNEXIS Connectors S
Product type PCB headers

Product family DD31H 2,2/..-H
Number of positions 12
Pitch 3.81 mm
Number of rows 2
Pin layout Linear pinning
Solder pins per potential 1
Electrical propertiesNominal current IN 8 A
Nominal voltage UN 160 V
Degree of pollution 3
Contact resistance 5 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 (3 - 5 µm Sn)
Metal surface contact area (middle layer) Nickel (1.3 - 3 µm Ni)
Metal surface soldering area (top layer) Tin (3 - 5 µm Sn)
Metal surface soldering area (middle layer) Nickel (1.3 - 3 µm Ni)
Material data - housing
Color (Housing) black (9005)
Insulating material PBT
Insulating material group II
CTI according to IEC 60112 400 <= CTI
Flammability rating according to UL 94 V0
NotesNote on the contact These connectors conform to DIN EN 61984, connectors without switching capacity (COC). When used for their intended purpose, they must not be plugged in or disconnected live or under load.
Note on application The current depends on the crimp contact an...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / DD31H 2,2/12-H-3,81-Y 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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