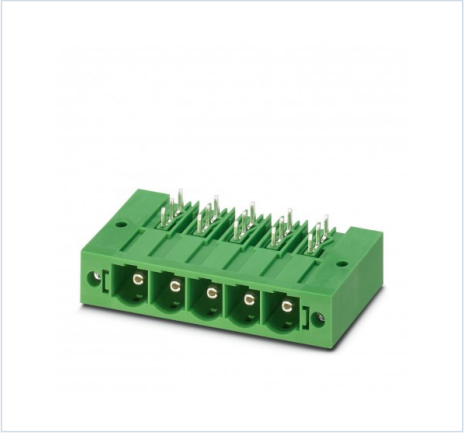
INDUSTRIAL COMPONENT DATA

PC 6-16/ 3-G1FU-10,16 1996320 PHOENIX CONTACT Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: PC 6-16/ 3-G1FU-10,16



Manufacturer	PHOENIX CONTACT
MPN / Reference	PC 6-16/ 3-G1FU-10,16
Catalog number	1996320
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-08F092DE78
Generated	2026-11-18

Product Overview

Feed-through header
Printed circuit board base housing, nominal section: 16 mm², color: green, nominal current: 76 A (41 A in combination with PC 6 connector), nominal voltage (III/2): 1000 V, contact surface: silver, contact type: Male, number of potentials: 3, number of rows: 1, number of poles: 3, number of connections: 3, family of articles: PC 6-16/.. -G1FU, pitch: 10.16 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 4 mm, number of solder pins per potential: 3, plug-in system: COMBICON PC 16, Plug-in face orientation: inverted, locking: Screw lock, fixing type: Air clamping (thread), packaging type: boxed
PCB headers, nominal cross section: 16 mm2, color: green, nominal current: 76 A (41 A in combination with PC 6 plug), rated voltage (III/2): 1000 V, contact surface: Ag, contact connection type: Pin, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: PC 6-16/..-G1FU, pitch: 10.16 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 4 mm, number of solder pins per potential: 3, plug-in system: COMBICON PC 16, Pin connector pattern alignment: reversed, locking: Screw locking mechanism, mounting: Threaded flange, 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

Technical dataProduct propertiesProduct type PCB headers
Product family PC 6-16/..-G1FU
Product line COMBICON Connectors XL

Type Headers
Number of positions 3
Pitch 10.16 mm
Number of connections 3
Number of rows 1
Number of potentials 3
Mounting flange Threaded flange
Pin layout Linear pinning
Solder pins per potential 3
Data management status
Article revision 06
Electrical propertiesNominal current IN 76 A (41 A in combination with PC 6 plug)
Nominal voltage UN 1000 V
Contact resistance 0.5 m?
Rated voltage (III/3) 1000 V
Rated surge voltage (III/3) 8 kV
Rated voltage (III/2) 1000 V
Rated surge voltage (III/2) 8 kV
Rated voltage (II/2) 1000 V
Rated surge voltage (II/2) 6 kV
MountingMounting type Wave soldering
Pin layout Linear pinning
Flange
Tightening torque 0.3 Nm ... 0.7 Nm
Attachment on the PCB
Tightening torque 0.3 Nm
Screw 1705449 DFK-PC 16-SS
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 Electroplated silver
Metal surface contact area (top layer) Silver (4 - 8 µm Ag)
Metal surface contact area (middle layer) Nickel (2 - 4 µm Ni)
Metal surface soldering area (top layer) Silver (4 - 8 µm Ag)
Metal surface soldering area (middle layer) Nickel (2 - 4 µm Ni)
Material data - housing
Color (Housing) green (6021)
Insulating material PA
Insulating material group I
CTI according to IEC 60112 600
Flammability rating according to UL 94 V0
Glo...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PC 6-16/ 3-G1FU-10,16 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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