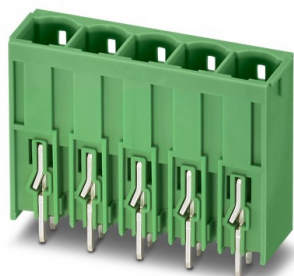


INDUSTRIAL COMPONENT DATA

PCV 6-16/ 8-G1-10,16GYNZ200E P3 1742567 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: PCV 6-16/ 8-G1-10,16GYNZ200E P3



Manufacturer	PHOENIX CONTACT
MPN / Reference	PCV 6-16/ 8-G1-10,16GYNZ200E P3
Catalog number	1742567
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-37C97F09C4
Generated	2026-08-05

Product Overview

Printed-circuit board connector

Printed circuit board base housing, nominal section: 16 mm², color: gray, nominal current: 76 A (41 A in combination with PC 6 connector), nominal voltage (III/2): 1000 V, contact type: Male, number of potentials: 8, number of rows: 1, number of poles: 8, number of connections: 8, article family: PCV 6-16/..-G1, 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: Standard, lock: without, fixing type: without, packaging type: boxed PCB headers, nominal cross section: 16 mm², color: gray, 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: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: PCV 6-16/..-G1, 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: 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

Technical dataProduct propertiesProduct type PCB headers

Product family PCV 6-16/..-G1

Product line COMBICON Connectors XL

Number of positions 8

Pitch 10.16 mm
Number of connections 8
Number of rows 1
Number of potentials 8
Mounting flange without
Pin layout Linear pinning
Solder pins per potential 3
Data management status
Article revision 04
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
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) gray (7042)
Insulating material PA
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...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PCV 6-16/ 8-G1-10,16GYNZ200E P3 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.