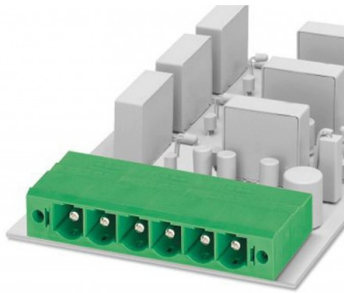


INDUSTRIAL COMPONENT DATA

PC 6-16/ 4-GF-10,16 GY NZ1642 1700966 PHOENIX CONTACT Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: PC 6-16/ 4-GF-10,16 GY NZ1642



Manufacturer	PHOENIX CONTACT
MPN / Reference	PC 6-16/ 4-GF-10,16 GY NZ1642
Catalog number	1700966
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-73A02C8BF0
Generated	2026-08-05

Product Overview

Printed-circuit board connector

Printed circuit board base housing, nominal section: 6 mm², color: gray, 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: 4, number of rows: 1, number of poles: 4, number of connections: 4, family of articles: PC 6-16/.. -GF, pitch: 10.16 mm, mounting: Wave welding, 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, locking: Screw lock, fixing type: Air clamping (thread), packaging type: boxed

PCB socket, nominal cross-section: 6 mm², colour: grey, rated current: 76 A (41 A in combination with PC 6 connector), dimensioning voltage (III/2): 1000 V, contact surface: Ag, contact connection type: plug, number of potentials: 4, number of rows: 1, number of poles: 4, number of connections: 4, product series: PC 6-16/.. -GF, pitch: 10.16 mm, mounting: Wave soldering, pin layout: Linear pinning, pin length [P]: 4 mm, number of solder pins per potential: 3, plug system: COMBICON PC 16, Insertion pin orientation: Standard, locking: Screw locking, fixing type: Threaded flange, packaging type: packed in carton

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)
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Additional Product Information

Key Commercial Data

Orderkey 1700966

Packing unit 1

GTIN 4046356507073

Custom tariff number 85366930

Dimensions

Length [l] 32 mm

Width 58.4 mm

Pitch 10.16 mm

Dimension a 30.48 mm

Width [w] 58.4 mm

Height [h] 17.71 mm

Height 13.71 mm

Length of the solder pin 4 mm

Length 32 mm

General

Range of articles PC 6-16/...-GF

Nominal current IN 41 A

Color gray

Number of positions 4

Environmental Product Compliance

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

No hazardous substances above threshold values

Classifications

eCl@ss 4.027141111eCl@ss 4.127141109eCl@ss 5.027141190eCl@ss 5.127260700eCl@ss 6.027260700eCl@ss
7.027440402eCl@ss 8.027440402eCl@ss 9.027440402

ETIM 3.0EC001121ETIM 4.0EC002643ETIM 5.0EC002637ETIM 6.0EC002637

UNSPSC 6.0130211810UNSPSC 7.090139121409UNSPSC 1139121409UNSPSC 12.0139121409UNSPSC
13.239121409

ETIM for 1700966 Connectors (EC002637)

Feature Name

Feature Value

Connector model (EF007495)

Fixed connector

Contact type (EF001587)

Pin

Number of poles (EF001391)

4

Number of plug-in contact rows (EF006935)

1

Modular spacing contacts (EF007326)

10.16 mm

Modular spacing connections (EF006827)

10.16 mm

Rated current In (EF008250)

76 A

Rated voltage (EF000228)

1000 V

Rated surge voltage (EF002993)

8 kV

Over voltage category (EF006785)

III

Pollution degree (EF006786)

2

Material of contact surface (EF004020)

Silver

Type of electric connection (EF003961)

Other

Diameter connection pin (EF006823)

1.7 mm

Length pin (EF006825)

4 mm

Material insulation...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PC 6-16/ 4-GF-10,16 GY NZ1642 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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