

INDUSTRIAL COMPONENT DATA

PC 5/ 3-ST1-7,62 BD:A1,A2,A3 1783416 PHOENIX CONTACT

Printed-circuit board connector

Brand: PHOENIX CONTACT | Manufacturer Part Number: PC 5/ 3-ST1-7,62 BD:A1,A2,A3



Manufacturer	PHOENIX CONTACT
MPN / Reference	PC 5/ 3-ST1-7,62 BD:A1,A2,A3
Catalog number	1783416
Category	Cable connector
Minimum order	50 Pcs
Document ID	EO-D6AF17DE3F
Generated	2026-08-03

Product Overview

Printed-circuit board connector

Connector for printed circuit board, nominal section: 6 mm², color: green, nominal current: 41 A, nominal voltage (III/2): 1000 V, contact surface: Tin, type of contact connection: Female, number of potentials: 3, number of rows: 1, number of poles: 3, number of connections: 3, family of articles: PC 5/.. -ST1, pitch: 7.62 mm, connection type: Screw connection with traction capsule, screw clamping form: H1L Philipps-Recess with longitudinal groove, conductor connection direction/printed circuit board: 0 °, clamping hook: - Clamping hook, plug-in system: COMBICON PC 5, locking: without, fixing type: without, packaging type: boxed

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

Key Commercial Data

Orderkey 1783416

Packing unit 50 pc

Minimum order quantity 50 pc

GTIN 4046356555838

Weight per Piece (excluding packing) 13.740 g

Custom tariff number 85366990

Country of origin DE (Germany)

Dimensions

Length [l] 35.25 mm

Width [w] 22.81 mm

Height [h] 19.7 mm

Pitch 7.62 mm

Dimension a 15.24 mm

General

Range of articles PC 5/...-ST1

Number of positions 3

Connection method Screw connection with tension sleeve

Rated surge voltage (III/3) 8 kV

Rated surge voltage (III/2) 8 kV

Rated surge voltage (II/2) 6 kV

Rated voltage (III/3) 1000 V

Rated voltage (III/2) 1000 V

Rated voltage (II/2) 1000 V

Nominal current I_N 41 A

Nominal cross section 6 mm²

Internal cylindrical gage A4

Stripping length 10 mm

Screw thread M3

Tightening torque, min 0.5 Nm

Tightening torque max 0.8 Nm

Note Tightening torque ≤ 4 mm² is 0.5 Nm to 0.6 Nm, > 4 mm² is 0.7 Nm to 0.8 Nm

Connection data

Conductor cross section solid min. 0.2 mm²

Conductor cross section solid max. 10 mm²

Conductor cross section flexible min. 0.2 mm²

Conductor cross section flexible max. 6 mm²

Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm²

Conductor cross section flexible, with ferrule without plastic sleeve max. 6 mm²

Conductor cross section flexible, with ferrule with plastic sleeve min. 0.25 mm²

Conductor cross section flexible, with ferrule with plastic sleeve max. 4 mm²

Conductor cross section AWG min. 24

Conductor cross section AWG max. 10

2 conductors with same cross secti...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PC 5/ 3-ST1-7,62 BD:A1,A2,A3 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.