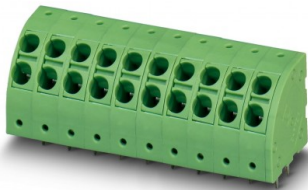


INDUSTRIAL COMPONENT DATA

PTDA 2,5/ 1-5,0 BK 1703458 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTDA 2,5/ 1-5,0 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTDA 2,5/ 1-5,0 BK
Catalog number	1703458
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-88BB456D13
Generated	2026-08-03

Product Overview

PCB terminal block

Printed circuit board terminal block, rated current: 24 A, rated voltage (III/2): 400 V, rated cross-section: 2.5 mm², number of rows: 1, number of poles per row: 1, article family: PTDA 2.5/, pitch: 5 mm, connection type: Push-in spring connection, mounting: Wave soldering, conductor/printed circuit board connection direction: 45 °, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of solder pins per potential: 2, packaging type: boxed

Printed circuit board terminal, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², number of rows: 1, number of positions per row: 1, product range: PTDA 2.5/, pitch: 5 mm, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: black, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 2, 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)
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Additional Product Information

Technical dataProduct propertiesProduct type Printed circuit board terminal

Product family PTDA 2,5/

Product line COMBICON Terminals M

Number of positions 1

Pitch 5 mm

Number of rows 1

Pin layout Linear pinning

Solder pins per potential 2

Data management status

Article revision 01

Electrical propertiesNominal current I_N 24 A

Nominal voltage U_N 400 V

Rated voltage (III/3) 320 V

Rated surge voltage (III/3) 4 kV

Rated voltage (III/2) 400 V

Rated surge voltage (III/2) 4 kV

Rated voltage (II/2) 630 V

Rated surge voltage (II/2) 4 kV

Connection dataConnection technology

Nominal cross section 2.5 mm²

Conductor connection

Connection method Push-in spring connection

Conductor cross section rigid 0.2 mm² ... 2.5 mm²

Conductor cross section flexible 0.2 mm² ... 2.5 mm²

Conductor cross section AWG 24 ... 12

Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm² ... 2.5 mm²

Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm² ... 1 mm²

2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve 0.5 mm² ... 1 mm²

Stripping length 10 mm

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 hot-dip tin-plated

Metal surface terminal point (top layer) Tin (4 - 8 µm Sn)

Metal surface soldering area (top layer) Tin (4 - 8 µm Sn)....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTDA 2,5/ 1-5,0 BK 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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