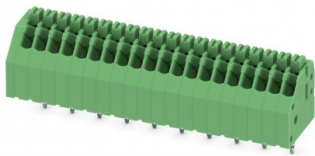


INDUSTRIAL COMPONENT DATA

PTSA 0,5/20-2,5-Z 1990180 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTSA 0,5/20-2,5-Z



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTSA 0,5/20-2,5-Z
Catalog number	1990180
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-9741B94BB4
Generated	2026-08-03

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 2 A, nominal voltage (III/2): 250 V, nominal cross-section: 0.5 mm², number of potentials: 20, number of rows: 1, number of poles per row: 20, article family: PTSA 0.5, pitch: 2.5 mm, connection type: Push-in spring connection, mounting: Wave soldering, conductor connection direction/printed circuit board: 45 °, color: green, Pin arrangement: Zigzag Pins W, Pin length [P]: 3.6 mm, number of solder pins per potential: 1, packaging type: boxed. Offset welding pins, two rows

PCB terminal, Rated current: 2 A, Rated voltage (III/2): 250 V, Nominal cross-section: 0.5 mm², Number of potentials: 20, Number of rows: 1, Number of pins per row: 20, Article family: PTSA 0.5, Pitch: 2.5 mm, Connection type: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, Pin layout: Zig-zag pinning W, Pin length [P]: 3.6 mm, Number of solder pins per potential: 1, Packaging type: Packed in a carton. Offset Soldering Legs, Double Row

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 1990180

Packing unit 50 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

Catalog page Page 304 (CC-2005)

GTIN 4017918973759

Weight per Piece (excluding packing) 6.960 g

Custom tariff number 85369010

Country of origin PL (Poland)

Dimensions

Length [l] 12 mm

Pitch 2.5 mm

Dimension a 47.5 mm

Width [w] 51.5 mm

Height 13.1 mm

Height [h] 16.7 mm

Solder pin [P] 3.6 mm

Pin spacing 2.5 mm

Hole diameter 1 mm

General

Range of articles PTSA 0,5

Rated surge voltage (III/3) 2.5 kV

Rated surge voltage (III/2) 2.5 kV

Rated surge voltage (II/2) 2.5 kV

Rated voltage (III/3) 160 V

Rated voltage (III/2) 250 V

Rated voltage (II/2) 400 V

Connection in acc. with standard EN-VDE

Nominal current IN 2 A

Nominal cross section 0.5 mm²

Maximum load current 2 A

Insulating material PA

Solder pin surface

Flammability rating according to UL 94 V0

Stripping length 9 mm

Number of positions 20

Connection data

Conductor cross section solid min. 0.14 mm²

Conductor cross section solid max. 0.5 mm²

Conductor cross section flexible min. 0.2 mm²

Conductor cross section flexible max. 0.5 mm²

Conductor cross section AWG min. 24

Conductor cross section AWG max. 20

Standards and Regulations

Connection in acc. with standard EN-VDE

CUL

Flammability rating according to UL 94 V0

Environmental Product Compliance

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

No hazardous substances above threshold values

Classifications

eCl@ss 4.0272607xxeCl@ss 4.12726...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTSA 0,5/20-2,5-Z 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.