

INDUSTRIAL COMPONENT DATA

PTSA 0,5/ 2-2,5-ZI GY 1844510 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: PTSA 0,5/ 2-2,5-ZI GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	PTSA 0,5/ 2-2,5-ZI GY
Catalog number	1844510
Category	Printed circuit board terminal
Minimum order	250 Pcs
Document ID	EO-1067F02E7E
Generated	2026-08-05

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: 2, number of rows: 1, number of poles per row: 2, 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: gray, Pin arrangement: Zigzag Pins W, Pin length [P]: 3.6 mm, number of welding pins per potential: 1, packaging type: boxed

PCB terminal, rated current: 2 A, rated voltage (III/2): 250 V, nominal cross-section: 0.5 mm², number of potentials: 2, number of rows: 1, number of poles per row: 2, article family: PTSA 0.5, pitch: 2.5 mm, connection type: push-in spring connection, mounting: wave soldering, conductor/board connection direction: 45 °, color: grey, pin layout: zig-zag pinning M, 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 1844510

Packing unit 1

GTIN 4046356966665

Custom tariff number 85369010

Dimensions

Length [l] 12 mm

Pitch 2.5 mm

Dimension a 2.5 mm

Width [w] 6.5 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) 63 V

Rated voltage (III/2) 250 V

Rated voltage (II/2) 250 V

Connection in acc. with standard EN-VDE

Nominal current IN 2 A

Nominal cross section 0.5 mm²

Solder pin surface

Stripping length 9 mm

Number of positions 2

Connection data

Conductor cross section AWG min. 24

Conductor cross section AWG max. 20

Standards and Regulations

Connection in acc. with standard EN-VDE

Environmental Product Compliance

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

No hazardous substances above threshold values

Classifications

eCl@ss 5.127261100eCl@ss 6.027261100eCl@ss 7.027440401eCl@ss 8.027440401eCl@ss 9.027440401

ETIM 4.0EC002643ETIM 5.0EC002643ETIM 6.0EC002643

UNSPSC 13.239121432

ETIM for 1844510 Connectors (EC002643)

Feature Name

Feature Value

Height (EF000040)

16.7 mm

Number of electrical connections (EF008252)

2

Number of levels (EF002659)

1

Modular spacing connections (EF006827)

2.5 mm

Rated current In (EF008250)

2 A

Rated voltage (EF000228)

250 V

Rated surge voltage (EF002993)

2.5 kV

Over voltage category (EF006785)

III

Pollution degre...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PTSA 0,5/ 2-2,5-ZI GY 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.