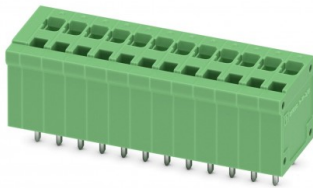


INDUSTRIAL COMPONENT DATA

ZFKDSA 1-V-3,81-12 1991639 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: ZFKDSA 1-V-3,81-12



Manufacturer	PHOENIX CONTACT
MPN / Reference	ZFKDSA 1-V-3,81-12
Catalog number	1991639
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-9139DB1806
Generated	2026-08-04

Product Overview

PCB terminal block

Terminal block for printed circuit board, rated current: 12 A, rated voltage (III/2): 200 V, rated cross-section: 1 mm², number of potentials: 12, number of rows: 1, number of poles per row: 12, article family: ZFKDS(A) 1-V, pitch: 3.81 mm, connection type: Spring connection, mounting: Wave soldering, conductor/printed circuit board connection direction: 90 °, color: green, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of welding pins per potential: 2, packaging type: boxed

PCB terminal, Rated current: 12 A, Rated voltage (III/2): 200 V, Nominal cross-section: 1 mm², Number of potentials: 12, Number of rows: 1, Number of poles per row: 12, Product family: ZFKDS(A) 1-V, Pitch: 3.81 mm, Connection type: Tension spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green, Pin layout: Linear pinning, Pin length [P]: 3.5 mm, Number of solder pins per potential: 2, 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)

Additional Product Information

Key Commercial Data

Orderkey 1991639

Packing unit 50 pc

Minimum order quantity 50 pc

Note Made to Order (non-returnable)

GTIN 4017918964313

Weight per Piece (excluding packing) 13.530 g

Custom tariff number 85369010

Country of origin PL (Poland)

Dimensions

Length [L] 15.9 mm

Pitch 3.81 mm

Dimension a 41.91 mm

Height 16 mm

Solder pin [P] 3.5 mm

Hole diameter 1.2 mm

General

Range of articles ZFKDS(A) 1-V

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) 200 V

Rated voltage (III/2) 200 V

Rated voltage (II/2) 400 V

Connection in acc. with standard EN-VDE

Nominal current IN 12 A

Nominal cross section 1 mm²

Solder pin surface

Stripping length 7.5 mm

Number of positions 12

Connection data

Conductor cross section AWG min. 26

Conductor cross section AWG max. 16

Standards and Regulations

Connection in acc. with standard EN-VDE

CUL

Environmental Product Compliance

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

No hazardous substances above threshold values

Classifications

eCl@ss 4.027141109eCl@ss 4.127141109eCl@ss 5.027141190eCl@ss 5.127261100eCl@ss 6.027261100eCl@ss

7.027440401eCl@ss 8.027440401eCl@ss 9.027440401

ETIM 3.0EC001121ETIM 4.0EC002643ETIM 5.0EC002643ETIM 6.0EC002643

UNSPSC 6.0130211801UNSPSC 7.090139121432UNSPSC 1139121432UNSPSC 12.0139121432UNSPSC

13.239121432

ETIM for 1991639 Connectors (EC002643)

Feature Name

Feature Value

Height (EF000040)

18.75 mm

Number of electrical conn...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / ZFKDSA 1-V-3,81-12 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.