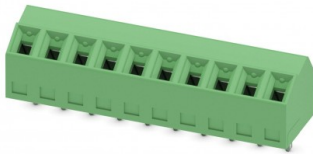


INDUSTRIAL COMPONENT DATA

SMKDS 1/ 2-3,81 BD:+,S 1703451 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: SMKDS 1/ 2-3,81 BD:+,S



Manufacturer	PHOENIX CONTACT
MPN / Reference	SMKDS 1/ 2-3,81 BD:+,S
Catalog number	1703451
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-328E2DE05F
Generated	2026-08-05

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 10 A, dimensioning voltage (III/2): 200 V, nominal cross-section: 1 mm², Number of rows: 1, Number of poles per row: 2, article family: SMKDS 1, pitch: 3.81 mm, connection type: Screw connection with traction capsule, mounting: Wave soldering, conductor connection direction/printed circuit board: 35 °, color: green, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, packaging type: boxed

PCB terminal block, rated current: 10 A, dimensioning voltage (III/2): 200 V, nominal cross-section: 1 mm², number of rows: 1, number of poles per row: 2, product series: SMKDS 1, pitch: 3.81 mm, connection type: Screw connection with cage, screw connection form: L Longitudinal slot, mounting: Wave soldering, Conductor/board connection direction: 35°, Pin layout: Linear pinning, Pin length [P]: 3.5 mm, Number of solder pins per potential: 1, Package 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 1703451

Packing unit 1

GTIN 4046356652704

Custom tariff number 85369010

Dimensions

Length [L] 10 mm

Pitch 3.81 mm

Dimension a 3.81 mm

Width [w] 7.61 mm

Height 9.5 mm

Height [h] 13 mm

Solder pin [P] 3.5 mm

Hole diameter 1.1 mm

General

Range of articles SMKDS 1

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) 200 V

Rated voltage (II/2) 400 V

Connection in acc. with standard EN-VDE

Nominal current IN 10 A

Nominal cross section 1 mm²

Solder pin surface

Stripping length 5 mm

Number of positions 2

Screw thread M2

Tightening torque, min 0.22 Nm

Tightening torque max 0.25 Nm

Connection data

Conductor cross section AWG min. 26

Conductor cross section AWG max. 16

2 conductors with same cross section, solid min. 0.14 mm²

2 conductors with same cross section, solid max. 0.5 mm²

2 conductors with same cross section, stranded min. 0.14 mm²

2 conductors with same cross section, stranded max. 0.2 mm²

Standards and Regulations

Connection in acc. with standard EN-VDE

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

China RoHS Environmentally Friendly Use Period = 50

For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SMKDS 1/ 2-3,81 BD:+,S 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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