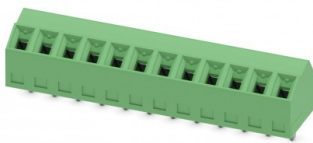


## INDUSTRIAL COMPONENT DATA

# SMKDS 1/12-3,81 1728381 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: SMKDS 1/12-3,81



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SMKDS 1/12-3,81                |
| Catalog number  | 1728381                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-FF27732AD9                  |
| Generated       | 2026-08-03                     |

## Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 10 A, nominal voltage (III/2): 200 V, nominal cross-section: 1 mm<sup>2</sup>, number of potentials: 12, number of rows: 1, number of poles per row: 12, article family: SMKDS 1, pitch: 3.81 mm, connection type: Screw connection with traction capsule, screw clamping method: L Longitudinal slot, mounting: Wave soldering, conductor/printed circuit board connection direction: 35 °, color: green, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of solder pins per potential: 1, packaging type: boxed

Printed circuit board terminal, nominal current: 10 A, rated voltage (III/2): 200 V, nominal cross section: 1 mm<sup>2</sup>, number of potentials: 12, number of rows: 1, number of positions per row: 12, product range: SMKDS 1, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, mounting: Wave soldering, conductor/PCB connection direction: 35 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 1, 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) |
|--------------|----------------------------------------|

## Additional Product Information

Technical dataProduct propertiesProduct type Printed circuit board terminal

Product family SMKDS 1

Product line COMBICON Terminals S

Type PC termination block

Number of positions 12

Pitch 3.81 mm  
Number of connections 12  
Number of rows 1  
Number of potentials 12  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 05  
Electrical propertiesNominal current  $I_N$  10 A  
Nominal voltage  $U_N$  200 V  
Rated voltage (III/3) 160 V  
Rated surge voltage (III/3) 2.5 kV  
Rated voltage (III/2) 200 V  
Rated surge voltage (III/2) 2.5 kV  
Rated voltage (II/2) 400 V  
Rated surge voltage (II/2) 2.5 kV  
Connection dataConnection technology  
Type PC termination block  
Nominal cross section 1 mm<sup>2</sup>  
Conductor connection  
Connection method Screw connection with tension sleeve  
Conductor cross section rigid 0.14 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
Conductor cross section flexible 0.14 mm<sup>2</sup> ... 1 mm<sup>2</sup>  
Conductor cross section AWG 26 ... 16  
Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>  
Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>  
2 conductors with same cross section, solid 0.14 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>  
2 conductors with same cross section, flexible 0.14 mm<sup>2</sup> ... 0.2 mm<sup>2</sup>  
Stripping length 5 mm  
Drive form screw head Slotted (L)  
Tightening torque 0.22 Nm ... 0.25 Nm  
MountingMounting type Wave soldering  
Pin layout Linear pinning  
Material specificationsMaterial data - contact  
Note WEEE/RoHS-compliant, free of whiskers according to I...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SMKDS 1/12-3,81 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://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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