

## INDUSTRIAL COMPONENT DATA

# MKDS 1/ 2-3,81 SMD BK 1727230 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDS 1/ 2-3,81 SMD BK



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | MKDS 1/ 2-3,81 SMD BK          |
| Catalog number  | 1727230                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 35 Pcs                         |
| Document ID     | EO-655CC71FE3                  |
| Generated       | 2026-08-04                     |

## Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 8 A, nominal voltage (III/2): 160 V, nominal section: 1 mm<sup>2</sup>, number of potentials: 2, number of rows: 1, number of poles per row: 2, family of articles: MKDS 1/.. -SMD, pitch: 3.81 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, mounting: SMD soldering, conductor/printed circuit board connection direction: 0 °, color: black, Pin arrangement: Linear pin arrangement, number of solder pins per potential: 1, packaging type: Bar loader

## 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 1727230

Packing unit 35 pc

Minimum order quantity 35 pc

Catalog page Page 82 (C-1-2013)

GTIN 4017918025601

Weight per Piece (excluding packing) 3.350 g

Custom tariff number 85369010

Country of origin PL (Poland)

Item properties

Brief article description PCB terminal block

Range of articles MKDS 1/..-SMD

Pitch 3.81 mm

Number of positions 2

Connection method Screw connection with tension sleeve

Drive form screw head Slotted

Screw thread M2

Mounting type SMD soldering

Pin layout Linear pad geometry

Number of levels 1

Number of connections 2

Number of potentials 2

Electrical parameters

Rated current 8 A

Rated insulation voltage (III/2) 160 V

Rated surge voltage (III/2) 2.5 kV

Connection capacity

Conductor cross section solid 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 / kcmil 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

Torque 0.22 Nm ... 0.25 Nm

Material data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics Tin-plated

Metal surface terminal point (top layer) Tin (5 - 7 µm Sn)

Metal surface terminal poin...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MKDS 1/ 2-3,81 SMD BK 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

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.