

## INDUSTRIAL COMPONENT DATA

# SMKDS 3/ 8 BD:1-8 1701822 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: SMKDS 3/ 8 BD:1-8



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SMKDS 3/ 8 BD:1-8              |
| Catalog number  | 1701822                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-5A7CF0A385                  |
| Generated       | 2026-08-03                     |

## Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 24 A, nominal voltage (III/2): 400 V, nominal cross-section: 2.5 mm<sup>2</sup>, number of potentials: 8, number of rows: 1, number of poles per row: 8, article family: SMKDS 3, pitch: 5 mm, connection type: Screw connection with traction capsule, screw clamping method: L Longitudinal slot, mounting: Wave soldering, conductor/printed circuit board connection direction: 55 °, color: green, Pin arrangement: Linear pin arrangement, Pin length [P]: 4.5 mm, number of solder pins per potential: 1, packaging type: boxed

## 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 &gt; PCB Connectors (PCC)

## Additional Product Information

Key Commercial Data

Orderkey 1701822

Packing unit 1

GTIN 4046356562317

Custom tariff number 85369010

Dimensions

Length [ l ] 16 mm

Pitch 5 mm

Dimension a 35 mm

Width [ w ] 40 mm

Height 18 mm

Height [ h ] 22.5 mm

Solder pin [P] 4.5 mm

Hole diameter 1.3 mm

#### General

Range of articles SMKDS 3

Rated surge voltage (III/3) 4 kV

Rated surge voltage (III/2) 4 kV

Rated surge voltage (II/2) 4 kV

Rated voltage (III/3) 250 V

Rated voltage (III/2) 400 V

Rated voltage (II/2) 630 V

Connection in acc. with standard EN-VDE

Nominal current IN 24 A

Nominal cross section 2.5 mm<sup>2</sup>

Solder pin surface

Internal cylindrical gage A3

Stripping length 8 mm

Number of positions 8

Screw thread M3

Tightening torque, min 0.5 Nm

Tightening torque max 0.6 Nm

#### Connection data

Conductor cross section AWG min. 24

Conductor cross section AWG max. 12

2 conductors with same cross section, solid min. 0.2 mm<sup>2</sup>

2 conductors with same cross section, solid max. 1.5 mm<sup>2</sup>

2 conductors with same cross section, stranded min. 0.2 mm<sup>2</sup>

2 conductors with same cross section, stranded max. 1.5 mm<sup>2</sup>

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 0.25 mm<sup>2</sup>

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 0.75 mm<sup>2</sup>

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 0.5 mm<sup>2</sup>

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 1.5 mm<sup>2</sup>

#### Standards and Regulations

Connection in acc. with standard EN-VD...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SMKDS 3/ 8 BD:1-8 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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