

## INDUSTRIAL COMPONENT DATA

# SMKDS 2,5/16-5,08 GY BD:44-E8 1707445 PHOENIX CONTACT

## Terminal block for printed circuit board, rated curren..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SMKDS 2,5/16-5,08 GY BD:44-E8



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SMKDS 2,5/16-5,08 GY BD:44-E8  |
| Catalog number  | 1707445                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 10 Pcs                         |
| Document ID     | EO-3F2470DC4B                  |
| Generated       | 2026-08-06                     |

### Product Overview

Terminal block for printed circuit board, rated current: 20 A, rated voltage: 400 V, pitch: 5.08 mm, number of poles: 16, connection type: Screw connection with traction capsule, mounting: Wave soldering, conductor/printed circuit board connection direction: 50 °, color: gray

Terminal block for printed circuit board, nominal current: 20 A, nominal voltage (III/2): 400 V, nominal cross-section: 2.5 mm<sup>2</sup>, number of potentials: 16, number of rows: 1, number of poles per row: 16, article family: SMKDS 2.5, pitch: 5.08 mm, connection type: Screw connection with traction capsule, screw clamping method: L Longitudinal slot, mounting: Wave soldering, conductor/printed circuit board connection direction: 50 °, color: gray, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 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 > PCB Connectors (PCC) |
|--------------|----------------------------------------|

### Additional Product Information

PCB terminal block, nominal current: 20 A, nom. voltage: 400 V, pitch: 5.08 mm, number of positions: 16, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 50 °, color: gray

Your advantages

Well-known connection principle allows worldwide use  
Low temperature rise, thanks to maximum contact force  
Allows connection of two conductors  
Angled connection enables multi-row arrangement on the PCB  
Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve  
The latching on the side enables various numbers of positions to be combined

Key Commercial Data

Orderkey 1707445  
Packing unit 1  
GTIN 4046356919722  
Custom tariff number 85369010  
General  
Range of articles SMKDS 2,5  
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 20 A  
Nominal cross section 2.5 mm<sup>2</sup>  
Solder pin surface Sn  
Internal cylindrical gage A3  
Stripping length 11 mm  
Number of positions 16  
Screw thread M3  
Tightening torque, min 0.5 Nm  
Tightening torque max 0.6 Nm  
Connection data  
Conductor cross section AWG min. 26  
Conductor cross section AWG max. 14  
2 conductors with same cross section, solid min. 0.14 mm<sup>2</sup>  
2 conductors with same cross section, solid max. 0.75 mm<sup>2</sup>  
2 conductors with same cross section, stranded min. 0.14 mm<sup>2</sup>  
2 conductors wi...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SMKDS 2,5/16-5,08 GY BD:44-E8 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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