

## INDUSTRIAL COMPONENT DATA

# MKDS 3/ 2-B-5,08 BK 1706455 PHOENIX CONTACT PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, ..

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDS 3/ 2-B-5,08 BK



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | MKDS 3/ 2-B-5,08 BK            |
| Catalog number  | 1706455                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-E4AB8F152E                  |
| Generated       | 2026-07-29                     |

## Product Overview

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: black, Connections internally jumpered

Terminal block for printed circuit board, nominal current: 24 A, nominal voltage (III/2): 400 V, nominal section: 2.5 mm<sup>2</sup>, number of potentials: 2, number of rows: 1, number of poles per row: 2, family of articles: MKDS 3/.. -B, pitch: 5.08 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, mounting: Wave soldering, conductor/printed circuit board connection direction: 0 °, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 5 mm, number of solder pins per potential: 1, Packing type: Boxed packed. Internally bridged connections

## 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

Dimensions

Length 11.2 mm

Pitch 5.08 mm

Dimension a 5.08 mm

Constructional height 18 mm

Length of the solder pin 5 mm

Pin dimensions 0,9 x 0,9 mm

Hole diameter 1.3 mm

**General**

Range of articles MKDS 3/..-B  
Insulating material group I  
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>  
Maximum load current 28 A (with 4 mm<sup>2</sup> conductor cross section)  
Insulating material PA  
Solder pin surface Sn  
Flammability rating according to UL 94 V0  
Internal cylindrical gage A3  
Stripping length 8 mm  
Number of positions 2  
Screw thread M3  
Tightening torque, min 0.5 Nm  
Tightening torque max 0.6 Nm  
Connection data  
Conductor cross section solid min. 0.2 mm<sup>2</sup>  
Conductor cross section solid max. 4 mm<sup>2</sup>  
Conductor cross section flexible min. 0.2 mm<sup>2</sup>  
Conductor cross section flexible max. 2.5 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule without plastic sleeve min. 0.25 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule without plastic sleeve max. 2.5 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule with plastic sleeve min. 0.25 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule with plastic sleeve max. 2.5 mm<sup>2</sup>  
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....

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / MKDS 3/ 2-B-5,08 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

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