

## INDUSTRIAL COMPONENT DATA

# MKDS 10 HV/ 3-ZB-10,16 1709694 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDS 10 HV/ 3-ZB-10,16



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | MKDS 10 HV/ 3-ZB-10,16         |
| Catalog number  | 1709694                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 50 Pcs                         |
| Document ID     | EO-B23271905B                  |
| Generated       | 2026-08-02                     |

## Product Overview

PCB terminal block

Printed circuit board terminal block, rated current: 76 A, rated voltage (III/2): 1000 V, rated cross-section: 16 mm<sup>2</sup>, number of potentials: 3, number of rows: 1, number of poles per row: 3, article family: MKDS 10 HV, pitch: 10.16 mm, connection type: Screw connection with traction capsule, screw clamping method: L Longitudinal slot, mounting: Wave soldering, conductor/printed circuit board connection direction: 0 °, color: green, Pin arrangement: Zigzag Pins W, Pin length [P]: 5 mm, number of soldering pins per potential: 2, 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 1709694

Packing unit 50 pc

Minimum order quantity 50 pc

Catalog page Page 453 (C-1-2013)

GTIN 4046356074179

Weight per Piece (excluding packing) 24.560 g

Custom tariff number 85369010

Country of origin CN (China)

Dimensions

Length [ l ] 18.7 mm

Pitch 10.16 mm

Dimension a 20.32 mm

Width [ w ] 30.48 mm

Height 30.8 mm

Height [ h ] 35.8 mm

Solder pin [P] 5 mm

Hole diameter 1.5 mm

#### General

Range of articles MKDS 10 HV

Insulating material group I

Rated surge voltage (III/3) 8 kV

Rated surge voltage (III/2) 8 kV

Rated surge voltage (II/2) 8 kV

Rated voltage (III/3) 800 V

Rated voltage (III/2) 1000 V

Rated voltage (II/2) 1000 V

Connection in acc. with standard EN-VDE

Nominal current I<sub>N</sub> 76 A

Nominal cross section 10 mm<sup>2</sup>

Maximum load current 76 A (with 16 mm<sup>2</sup> conductor cross section)

Insulating material PA

Solder pin surface

Flammability rating according to UL 94 V0

Internal cylindrical gage B6

Stripping length 10 mm

Number of positions 3

Screw thread M4

Tightening torque, min 1.2 Nm

Tightening torque max 1.5 Nm

#### Connection data

Conductor cross section solid min. 0.5 mm<sup>2</sup>

Conductor cross section solid max. 16 mm<sup>2</sup>

Conductor cross section flexible min. 0.5 mm<sup>2</sup>

Conductor cross section flexible max. 16 mm<sup>2</sup>

Conductor cross section flexible, with ferrule without plastic sleeve min. 0.5 mm<sup>2</sup>

Conductor cross section flexible, with ferrule without plastic sleeve max. 16 mm<sup>2</sup>

Conductor cross section flexible, with ferrule with plastic sleeve min. 0.5 mm<sup>2</sup>

Conductor cross....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MKDS 10 HV/ 3-ZB-10,16 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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