

INDUSTRIAL COMPONENT DATA

MKDS 10 HV/ 6-ZB-10,16 1709720 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDS 10 HV/ 6-ZB-10,16



Manufacturer	PHOENIX CONTACT
MPN / Reference	MKDS 10 HV/ 6-ZB-10,16
Catalog number	1709720
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-D2472B20E0
Generated	2026-08-04

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 76 A, nominal voltage (III/2): 1000 V, nominal cross-section: 16 mm², number of potentials: 6, number of rows: 1, number of poles per row: 6, 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 > PCB Connectors (PCC)
--------------	--

Additional Product Information

Key Commercial Data

Orderkey 1709720

Packing unit 50 pc

Minimum order quantity 50 pc

Catalog page Page 453 (C-1-2013)

GTIN 4046356074148

Weight per Piece (excluding packing) 48.920 g

Custom tariff number 85369010

Country of origin CN (China)

Dimensions

Length [l] 18.7 mm

Pitch 10.16 mm

Dimension a 50.8 mm

Width [w] 60.96 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_N 76 A

Nominal cross section 10 mm²

Maximum load current 76 A (with 16 mm² 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 6

Screw thread M4

Tightening torque, min 1.2 Nm

Tightening torque max 1.5 Nm

Connection data

Conductor cross section solid min. 0.5 mm²

Conductor cross section solid max. 16 mm²

Conductor cross section flexible min. 0.5 mm²

Conductor cross section flexible max. 16 mm²

Conductor cross section flexible, with ferrule without plastic sleeve min. 0.5 mm²

Conductor cross section flexible, with ferrule without plastic sleeve max. 16 mm²

Conductor cross section flexible, with ferrule with plastic sleeve min. 0.5 mm²

Conductor cross s...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MKDS 10 HV/ 6-ZB-10,16 with the required quantity to info@electricaonline.com or use 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.