

INDUSTRIAL COMPONENT DATA

MKDS 1/ 4-3,5 HT BK 1820589 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDS 1/ 4-3,5 HT BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	MKDS 1/ 4-3,5 HT BK
Catalog number	1820589
Category	Printed circuit board terminal
Minimum order	180 Pcs
Document ID	EO-8B5C4996C3
Generated	2026-08-03

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 13.5 A, nominal voltage (III/2): 200 V, nominal section: 1.5 mm², number of potentials: 4, number of rows: 1, number of poles per row: 4, family of articles: MKDS 1/.. -HT, pitch: 3.5 mm, connection type: Screw connection with traction capsule, screw clamping form: L Longitudinal slot, mounting: Weld THR, conductor connection direction/printed circuit board: 0 °, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of solder pins per potential: 1, Packing Type: Boxed Packed

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 1820589

Packing unit 50 pc

Minimum order quantity 50 pc

GTIN 4046356783194

Weight per Piece (excluding packing) 3.320 g

Custom tariff number 85369010

Country of origin DE (Germany)

Dimensions

Length [L] 7.3 mm

Pitch 3.5 mm

Dimension a 10.5 mm

Width [w] 14.5 mm

Height 8.5 mm

Height [h] 12 mm

Solder pin [P] 3.5 mm

Pin spacing 3.5 mm

Hole diameter 1.1 mm

General

Range of articles MKDS 1/..-HT

Rated surge voltage (III/3) 2.5 kV

Rated surge voltage (III/2) 2.5 kV

Rated surge voltage (II/2) 2.5 kV

Rated voltage (III/3) 63 V

Rated voltage (III/2) 200 V

Rated voltage (II/2) 200 V

Connection in acc. with standard EN-VDE

Nominal current I_N 13.5 A

Nominal cross section 1 mm²

Solder pin surface

Stripping length 5 mm

Number of positions 4

Screw thread M2

Tightening torque, min 0.22 Nm

Tightening torque max 0.25 Nm

Connection data

Conductor cross section AWG min. 26

Conductor cross section AWG max. 16

2 conductors with same cross section, solid min. 0.14 mm²

2 conductors with same cross section, solid max. 0.5 mm²

2 conductors with same cross section, stranded min. 0.14 mm²

2 conductors with same cross section, stranded max. 0.34 mm²

Standards and Regulations

Connection in acc. with standard EN-VDE

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

China RoHS Environmentally Friendly Use Period = 50

For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss 4.027141109eCl@ss 4.127141...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MKDS 1/ 4-3,5 HT BK 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.