

INDUSTRIAL COMPONENT DATA

MKDS 5N HV/10-ZB-6,35 BK 1777707 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDS 5N HV/10-ZB-6,35 BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	MKDS 5N HV/10-ZB-6,35 BK
Catalog number	1777707
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-5E25F63B0F
Generated	2026-08-06

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 41 A, nominal voltage (III/2): 1000 V, nominal cross-section: 4 mm², number of potentials: 10, number of rows: 1, number of poles per row: 10, article family: MKDS 5 N HV, pitch: 6.35 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: black, Pin arrangement: Zigzag pins W, Pin length [P]: 5 mm, number of soldering 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

Key Commercial Data

Orderkey 1777707

Packing unit 1

GTIN 4046356522588

Custom tariff number 85369010

Item properties

Brief article description PCB terminal block

Range of articles MKDS 5 N HV

Pitch 6.35 mm

Number of positions 10

Connection method Screw connection with tension sleeve

Drive form screw head Slotted (L)

Screw thread M3

Mounting type Wave soldering

Pin layout Zigzag pinning W

Number of levels 1

Number of connections 10

Number of potentials 10

Electrical parameters

Rated current 41 A

Rated insulation voltage (III/2) 1000 V

Rated surge voltage (III/2) 8 kV

Connection capacity

Conductor cross section solid 0.2 mm² ... 6 mm²

Conductor cross section flexible 0.2 mm² ... 4 mm²

Conductor cross section AWG / kcmil 24 ... 10

Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm² ... 4 mm²

Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm² ... 4 mm²

2 conductors with same cross section, solid 0.2 mm² ... 1.5 mm²

2 conductors with same cross section, flexible 0.2 mm² ... 1.5 mm²

2 conductors with same cross section, stranded, ferrules without plastic sleeve 0.25 mm² ... 0.75 mm²

2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve 0.5 mm² ... 2.5 mm²

Stripping length 8 mm

Torque 0.5 Nm ... 0.6 Nm

Material data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics hot-dip tin-plated

Metal surface term...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MKDS 5N HV/10-ZB-6,35 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.