

INDUSTRIAL COMPONENT DATA

KDS10/SO 1704059 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: KDS10/SO



Manufacturer	PHOENIX CONTACT
MPN / Reference	KDS10/SO
Catalog number	1704059
Category	Printed circuit board terminal
Minimum order	50 Pcs
Document ID	EO-372D118B44
Generated	2026-08-02

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 76 A, nominal voltage (III/2): 320 V, nominal cross-section: 10 mm², number of potentials: 1, number of rows: 1, number of poles per row: 1, article family: KDS10, pitch: 10 mm, connection type: Screw connection with traction capsule, mounting: Wave soldering, conductor connection direction/printed circuit board: 0°, color: green, Pin arrangement: Linear pin arrangement, Pin length [P]: 4.3 mm, number of solder pins per potential: 4, packaging type: boxed packaging. The item can be aligned with different numbers of poles!

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 1704059

Packing unit 50 pc

Catalog page Page 457 (C-1-2013)

GTIN 4017918023188

Weight per Piece (excluding packing) 16.640 g

Custom tariff number 85369010

Country of origin DE (Germany)

Dimensions

Length [L] 36.8 mm

Pitch 10 mm

Width [w] 10 mm

Height 29 mm

Height [h] 33.3 mm

Solder pin [P] 4.3 mm

Hole diameter 1.4 mm

General

Range of articles KDS10

Insulating material group I

Rated surge voltage (III/3) 6 kV

Rated surge voltage (III/2) 6 kV

Rated surge voltage (II/2) 6 kV

Rated voltage (III/3) 630 V

Rated voltage (III/2) 630 V

Rated voltage (II/2) 1000 V

Connection in acc. with standard EN-VDE

Nominal current IN 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 12 mm

Number of positions 1

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. 10 mm²

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

Conductor cross section flexible, with ferrule without plastic sleeve max. 10 mm²

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

Conductor cross section flexible, with ferrule with plastic sleeve max. 10 m...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / KDS10/SO 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.