

INDUSTRIAL COMPONENT DATA

KDS10/SO- 7 NZ 1990591 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: KDS10/SO-7 NZ



Manufacturer	PHOENIX CONTACT
MPN / Reference	KDS10/SO-7 NZ
Catalog number	1990591
Category	Printed circuit board terminal
Minimum order	10 Pcs
Document ID	EO-521791D867
Generated	2026-07-31

Product Overview

PCB terminal block

Printed circuit board terminal block, nominal current: 76 A, nominal voltage (III/2): 320 V, nominal cross-section: 10 mm², number of potentials: 7, number of rows: 1, number of poles per row: 7, article family: KDS10, pitch: 10 mm, connection type: Screw connection with traction capsule, mounting: Wave soldering, conductor connection direction/printed circuit board: 0°, Pin arrangement: Linear pin arrangement, Pin length [P]: 4.3 mm, number of solder pins per potential: 4, 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 1990591

Packing unit 10 pc

Minimum order quantity 10 pc

GTIN 4017918953454

Weight per Piece (excluding packing) 111.670 g

Custom tariff number 85369010

Country of origin DE (Germany)

Dimensions

Length [L] 36.8 mm

Pitch 10 mm

Dimension a 60 mm

Height 29 mm

Solder pin [P] 4.3 mm

Hole diameter 1.4 mm

General

Range of articles KDS10

Rated surge voltage (III/3) 4 kV

Rated surge voltage (III/2) 4 kV

Rated surge voltage (II/2) 4 kV

Rated voltage (III/3) 250 V

Rated voltage (III/2) 320 V

Rated voltage (II/2) 630 V

Connection in acc. with standard EN-VDE

Nominal current IN 76 A

Nominal cross section 10 mm²

Solder pin surface

Internal cylindrical gage B6

Stripping length 12 mm

Number of positions 7

Screw thread M4

Tightening torque, min 1.2 Nm

Tightening torque max 1.5 Nm

Connection data

Conductor cross section AWG min. 20

Conductor cross section AWG max. 6

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

2 conductors with same cross section, solid max. 4 mm²

2 conductors with same cross section, stranded min. 0.5 mm²

2 conductors with same cross section, stranded max. 4 mm²

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 0.5 mm²

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 2.5 mm²

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

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 6 mm²....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / KDS10/SO-7 NZ 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.