

INDUSTRIAL COMPONENT DATA

MKDSO 2,5/ 4-L GY 2909594 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: MKDSO 2,5/ 4-L GY



Manufacturer	PHOENIX CONTACT
MPN / Reference	MKDSO 2,5/ 4-L GY
Catalog number	2909594
Category	Printed circuit board terminal
Minimum order	200 Pcs
Document ID	EO-5F4F3D0393
Generated	2026-08-03

Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 24 A, nominal voltage (III/2): 400 V, nominal section: 2.5 mm², number of potentials: 4, number of rows: 1, number of poles per row: 4, family of articles: MKDSO 2.5/.. -L, pitch: 5 mm, connection type: Screw connection with traction capsule, mounting: Wave soldering, conductor connection direction/printed circuit board: 0 °, color: gray, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of solder pins per potential: 1, packaging type: boxed packaging. Item with side pin output on the left

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 > Housing (HS)

Additional Product Information

Key Commercial Data

Orderkey 2909594

Packing unit 200 pc

Minimum order quantity 200 pc

GTIN 4017918404581

Weight per Piece (excluding packing) 7.690 g

Custom tariff number 85369010

Country of origin DE (Germany)

Dimensions

Length [l] 15.3 mm

Height 18 mm

Hole diameter 1.4 mm

General

Insulating material group I

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) 400 V

Rated voltage (II/2) 630 V

Connection in acc. with standard EN-VDE

Nominal current IN 24 A

Nominal cross section 2.5 mm²

Maximum load current 24 A

Flammability rating according to UL 94 V0

Internal cylindrical gage A2

Stripping length 8 mm

Number of positions 4

Screw thread M3

Tightening torque, min 0.5 Nm

Tightening torque max 0.6 Nm

Connection data

Conductor cross section solid min. 0.14 mm²

Conductor cross section solid max. 2.5 mm²

Conductor cross section flexible min. 0.14 mm²

Conductor cross section flexible max. 2.5 mm²

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

Conductor cross section flexible, with ferrule without plastic sleeve max. 2.5 mm²

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

Conductor cross section flexible, with ferrule with plastic sleeve max. 2.5 mm²

Conductor cross section AWG min. 26

Conductor cross section AWG max. 14

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

2 conductors with same cross section, so...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MKDSO 2,5/ 4-L GY 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.