

## 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       | 2026-07-27                     |

## 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 mm<sup>2</sup>, 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 &amp; Catalog Path

Catalog path PHOENIX CONTACT &gt; 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 mm<sup>2</sup>  
Maximum load current 76 A (with 16 mm<sup>2</sup> 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 mm<sup>2</sup>  
Conductor cross section solid max. 16 mm<sup>2</sup>  
Conductor cross section flexible min. 0.5 mm<sup>2</sup>  
Conductor cross section flexible max. 10 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule without plastic sleeve min. 0.5 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule without plastic sleeve max. 10 mm<sup>2</sup>  
Conductor cross section flexible, with ferrule with plastic sleeve min. 0.5 mm<sup>2</sup>  
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](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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