

## PCB terminal block - KDS10/SO BU - 1985548

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PCB terminal block, nominal current: 76 A, nom. voltage: 320 V, pitch: 10 mm, number of positions: 1, connection method: Screw connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: blue

The figure shows a 5-pos. version of the product

### Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Potentials can be easily looped through with additional connection to the PCB
- The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 909185
GTIN	4017918909185

### Technical data

#### Dimensions

Length [l]	36.8 mm
Pitch	10 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

# PCB terminal block - KDS10/SO BU - 1985548

## Technical data

### General

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 $I_N$	76 A
Nominal cross section	10 mm <sup>2</sup>
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 AWG min.	20
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm <sup>2</sup>

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Approvals

### Approvals

#### Approvals

DNV GL / CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

## PCB terminal block - KDS10/SO BU - 1985548

### Approvals

#### Ex Approvals

#### Approval details

DNV GL	<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	TAE00001EV
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CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
		B	C
Nominal voltage UN	300 V	300 V	
Nominal current IN	65 A	65 A	
mm <sup>2</sup> /AWG/kcmil	18-6	18-6	

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		D	B
Nominal voltage UN	600 V	250 V	300 V
Nominal current IN	5 A	65 A	65 A
mm <sup>2</sup> /AWG/kcmil	24-6	24-6	24-6

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		D	B
Nominal voltage UN	600 V	250 V	300 V
Nominal current IN	5 A	65 A	65 A
mm <sup>2</sup> /AWG/kcmil	24-6	24-6	24-6

EAC		B.01742
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cULus Recognized	
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