

## PCB terminal block - KDS10/SO - 1704059

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 630 V, Pitch: 10 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, The article can be aligned to create different nos. of positions!


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

### Product Features

- Potential distribution by means of bridges
- High-capacity PCB terminal blocks with a current carrying capacity of up to 76 A at the solder connection
- Individual adjustment of voltage requirements using RZ pitch spacers
- Can also be used as a feed-through terminal block up to 76 A



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 023188
Weight per Piece (excluding packing)	16.8 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	36.8 mm
Pitch	10.00 mm
Constructional height	29 mm
Length of the solder pin	4.3 mm
Pin dimensions	1 x 0,9 mm

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## Technical data

### Dimensions

Hole diameter	1.4 mm
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### 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 $I_N$	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	Sn
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 mm <sup>2</sup>
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>

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### Technical data

#### Connection data

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
Flammability rating according to UL 94	V0

### Classifications

#### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

#### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

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## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

#### Approvals submitted

### Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	18-6	18-6
Nominal current IN	65 A	65 A
Nominal voltage UN	300 V	300 V

UL Recognized			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	24-6	24-6	24-6
Nominal current IN	65 A	65 A	5 A
Nominal voltage UN	250 V	300 V	600 V

cUL Recognized			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	24-6	24-6	24-6
Nominal current IN	65 A	65 A	5 A
Nominal voltage UN	250 V	300 V	600 V

GL
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## Approvals

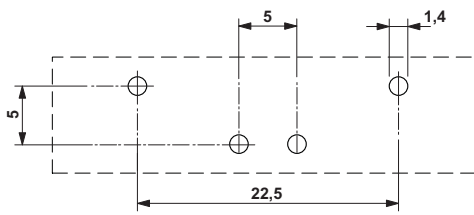
EAC

EAC

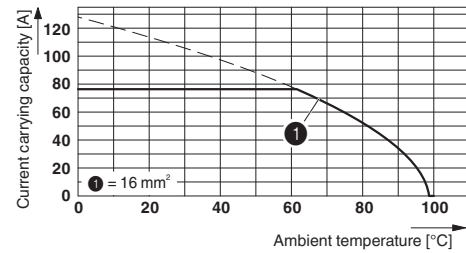
cULus Recognized

## Drawings

Drilling diagram



Diagram



Type: KDS 10  
Test following DIN EN 60512-5-2:2003-01  
Reduction factor = 1  
No. of positions: 5

Dimensional drawing

