

## PCB terminal block - KDS10 - 1704020

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PC terminal block, Nominal current: 76 A, Nom. voltage: 320 V, Pitch: 10 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0°, Color: green, The article can be aligned to create different nos. of positions!


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

### Why buy this product

- 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
Minimum order quantity	50
Catalog page	Page 377 (CC-2011)
GTIN	 4 017918 023164
Custom tariff number	85369010
Country of origin	GERMANY

### Technical data

#### Dimensions / positions

Length	36.8 mm
Pitch	10 mm
Number of positions	1
Pin dimensions	1 x 0,9 mm
Hole diameter	1.4 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

#### Technical data

Range of articles	KDS10
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## Technical data

### Technical data

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)	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>
Maximum load current	76 A (with 16 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	B 6
Stripping length	12 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	65 A
Nominal voltage, UL/CUL Use Group C	300 V
Nominal current, UL/CUL Use Group C	65 A
Nominal voltage, UL/CUL Use Group D	600 V
Nominal current, UL/CUL Use Group D	5 A

### 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 stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	10 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil 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>

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### Connection data

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>
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	6

## Classifications

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

### UNSPSC

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

### 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

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / GL / RS / CCA / GOST / cULus Recognized


#### Ex Approvals


#### Approvals submitted

#### Approval details


# PCB terminal block - KDS10 - 1704020

## Approvals

CSA 		
	B	C
mm <sup>2</sup> /AWG/kcmil	18-6	18-6
Nominal current I <sub>N</sub>	65 A	65 A
Nominal voltage U <sub>N</sub>	300 V	300 V

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

SEV	
mm <sup>2</sup> /AWG/kcmil	16
Nominal voltage U <sub>N</sub>	400 V

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

GOST 	
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GL
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RS
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CCA	
mm <sup>2</sup> /AWG/kcmil	16
Nominal voltage U <sub>N</sub>	400 V

## PCB terminal block - KDS10 - 1704020

### Approvals



### Accessories

#### Accessories

#### Assembly

#### PCB terminal block - RZ-KDS10 - 1701065



Pitch spacer, raises the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green

### Bridges

#### Fixed bridge - FBI 10-10 - 0203276



Fixed bridge, Number of positions: 10, Color: silver

### Marking

#### Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014



Zack marker strip, Strip, white, labeled, Can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, For terminal block width: 10.2 mm

### Plug/Adapter

# PCB terminal block - KDS10 - 1704020

## Accessories

Female test connector - PSB 4/7/6 - 0303299



Female test connector, Color: silver

## Tools

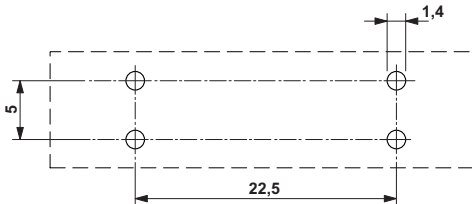
Screwdriver - SZS 1,0X4,0 VDE - 1205066



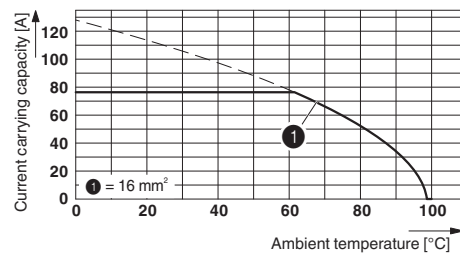
Screwdriver, bladed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram



Diagram



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

Dimensioned drawing

