

# PCB terminal block - MKDS 5/ 2-9,5 - 1714971

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PCB terminal block, Nominal current: 32 A, Nom. voltage: 1000 V, Pitch: 9.52 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

## Product Features

- Versions with anti-rotation pins (MKDSV, recommended for 2-pos. connections)
- PCB terminal blocks with screw connection, up to 6 mm<sup>2</sup> conductor cross section

## Key commercial data

package_quantity	50
GTIN	4017918024116

## Technical data

### Dimensions

Length	19.05 mm
Height	21.5 mm
Width	12.5 mm
Pitch	9.52 mm
Dimension a	9.52 mm
Pin dimensions	0,9 x 0,9 mm
Hole diameter	1.3 mm

### General

Range of articles	MKDS 5
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)	690 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	32 A
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross section)
Insulating material	PA

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## Technical data

### General

Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	8 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 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.	2.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	10

## classifications

### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190

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## classifications

### eCl@ss

eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	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

## approvals

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

### Approval details

Usegroups	B	C
Nominal voltage UN	300 V	300 V
Nominal current IN	30 A	30 A
mm <sup>2</sup> /AWG/kcmil	28-10	28-10

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	30 A	30 A	5 A
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10

<b>SEV</b>	
Nominal voltage UN	690 V

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## approvals

Nominal current I <sub>N</sub>	
mm <sup>2</sup> /AWG/kcmil	6

**cUL Recognized**

Usegroups	B	C	D
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V
Nominal current I <sub>N</sub>	30 A	30 A	5 A
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10

**GOST**

**GL**

**RS**

**CCA**

Nominal voltage U <sub>N</sub>	690 V
Nominal current I <sub>N</sub>	
mm <sup>2</sup> /AWG/kcmil	6

**cULus Recognized**

## accessories

### Screwdriver tools

SZS 0,6X3,5 - 1205053



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### accessories

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#### Marker pen

B-STIFT - 1051993



### accessories

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SK 9,5/3,8:FORTL.ZAHLEN - 0804633



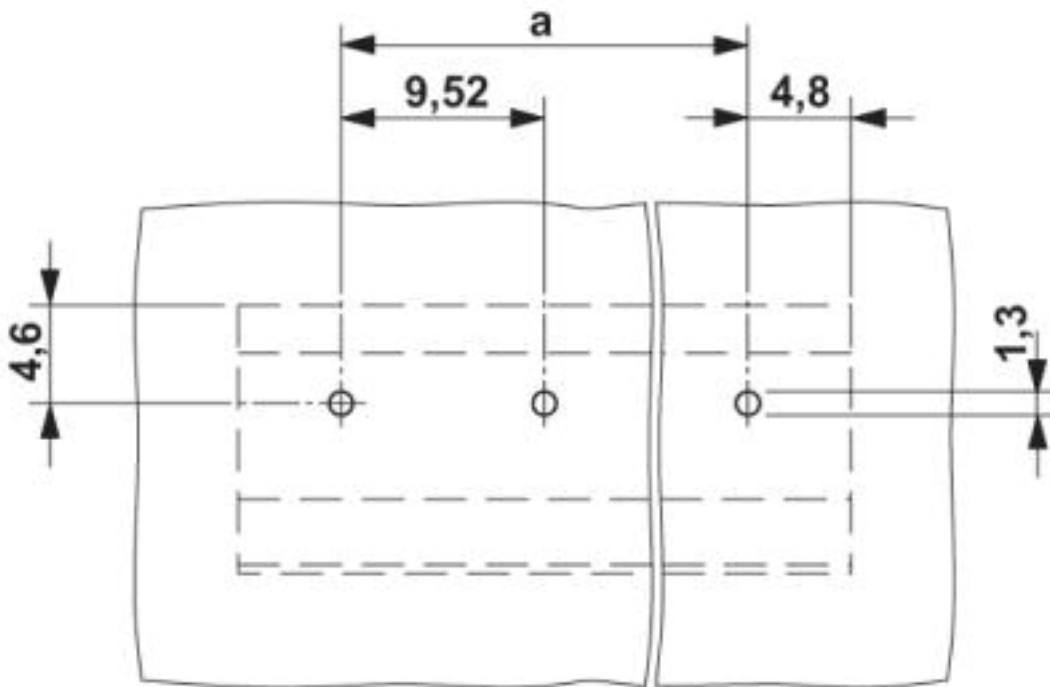
SK 9,5/3,8:UNBEDRUCKT - 0805920

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### Drawings

# PCB terminal block - MKDS 5/ 2-9,5 - 1714971

Drilling diagram



Dimensioned drawing

