

# PCB terminal block - MKDSN 1,5/ 7-5,08 - 1729173

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 7, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 10-position version of the product

## Product Features

- PCB terminal blocks with compact housing dimensions and low design height
- Conductor cross sections up to 1.5 mm<sup>2</sup>
- Single-row type with horizontal connection direction

## Key commercial data

package_quantity	100
GTIN	4017918026042

## Technical data

### Dimensions

Length	8.1 mm
Pitch	5.08 mm
Dimension a	30.48 mm
Pin dimensions	0,5 x 1 mm
Hole diameter	1.3 mm

### General

Range of articles	MKDSN 1,5
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)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	13.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	13.5 A
Insulating material	PA

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## Technical data

### General

Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	A 1
Stripping length	6 mm
Number of positions	7
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 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.	1 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.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 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.	0.5 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.	0.75 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	14

## 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 / CCA / IECCEB Scheme / RS / GOST / cULus Recognized /

### Approval details

Usegroups	B	D
Nominal voltage UN	150 V	300 V
Nominal current IN	10 A	10 A
mm <sup>2</sup> /AWG/kcmil	28-14	28-14

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14

<b>SEV</b>	
Nominal voltage UN	250 V

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## approvals

Nominal current I <sub>N</sub>	
mm <sup>2</sup> /AWG/kcmil	1.5

**cUL Recognized**

Usegroups	B	D
Nominal voltage U <sub>N</sub>	300 V	300 V
Nominal current I <sub>N</sub>	10 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14

**GOST**

**GL**

**CCA**

**IECEE CB Scheme**

**RS**

**cULus Recognized**

## accessories

### Screwdriver tools

SZS 0,6X3,5 - 1205053



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## accessories

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### Labeled terminal marker

SK 5,08/3,8:FORTL.ZAHLEN - 0804293



### Terminal marking

SK 5,08/3,8:UNBEDRUCKT - 0805412



### Marker pen

B-STIFT - 1051993



## accessories

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SK 5,08/3,8:SO - 0805085

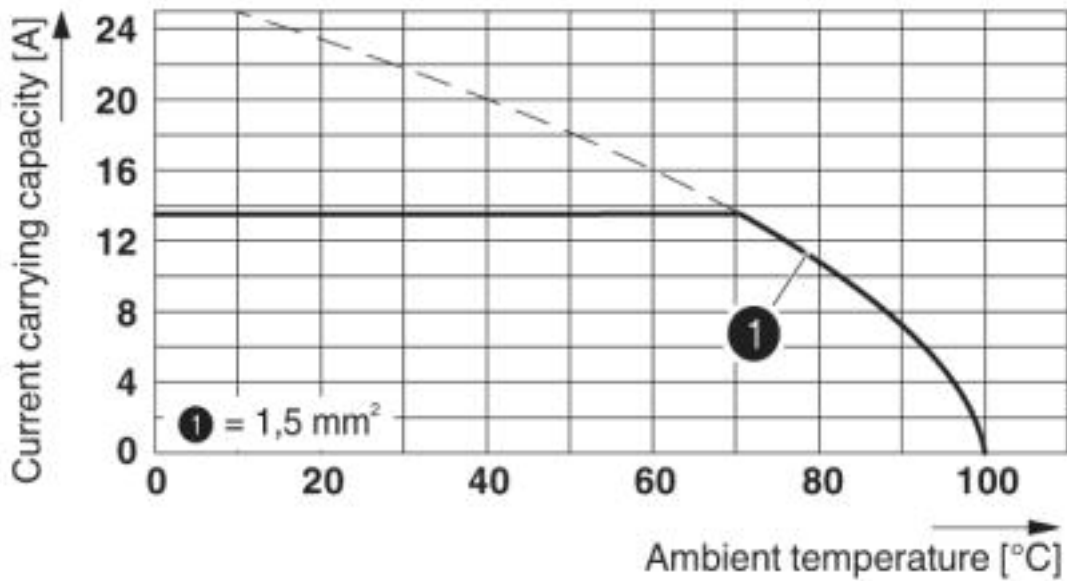


## Drawings

Drilling diagram

# PCB terminal block - MKDSN 1,5/ 7-5,08 - 1729173

Diagram



Dimensioned drawing

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