

# PCB terminal block - MKDS 1,5/10-5,08 - 1715802

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 10, 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

- With 2.3 mm Ø test connection
- Single-row PCB terminal blocks for conductor cross sections up to 1.5 mm<sup>2</sup>
- 5.0 or 5.08 mm pitch

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4017918024239

## Technical data

### Dimensions

<b>Length</b>	9.8 mm
<b>Height</b>	13.8 mm
<b>Pitch</b>	5.08 mm
<b>Dimension a</b>	45.72 mm
<b>Pin dimensions</b>	0,9 x 0,9 mm
<b>Hole diameter</b>	1.3 mm

### General

<b>Range of articles</b>	MKDS 1,5
<b>Insulating material group</b>	I
<b>Rated surge voltage (III/3)</b>	4 kV
<b>Rated surge voltage (III/2)</b>	4 kV
<b>Rated surge voltage (II/2)</b>	4 kV
<b>Rated voltage (III/3)</b>	250 V
<b>Rated voltage (III/2)</b>	400 V
<b>Rated voltage (II/2)</b>	630 V
<b>Connection in acc. with standard</b>	EN-VDE
<b>Nominal current I<sub>N</sub></b>	17.5 A
<b>Nominal cross section</b>	1.5 mm <sup>2</sup>
<b>Maximum load current</b>	22 A
<b>Insulating material</b>	PA

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## Technical data

### General

<b>Solder pin surface</b>	Sn
<b>Inflammability class according to UL 94</b>	V0
<b>Internal cylindrical gage</b>	A 1
<b>Stripping length</b>	7 mm
<b>Number of positions</b>	10
<b>Screw thread</b>	M3
<b>Tightening torque, min</b>	0.5 Nm
<b>Tightening torque max</b>	0.6 Nm

### Connection data

<b>Conductor cross section solid min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	1.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	1.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	1.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	26
<b>Conductor cross section AWG/kcmil max</b>	14
<b>2 conductors with same cross section, solid min.</b>	0.14 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	1 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.14 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	0.75 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.25 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	1 mm <sup>2</sup>
<b>Minimum AWG according to UL/CUL</b>	30
<b>Maximum AWG according to UL/CUL</b>	14

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27141109
<b>eCl@ss 4.1</b>	27141109
<b>eCl@ss 5.0</b>	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 / GOST / cULus Recognized /

### Approval details

Usegroups	B	D
Nominal voltage UN	300 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	15 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	2.5

**cUL Recognized**

Usegroups	B	D
Nominal voltage U <sub>N</sub>	300 V	300 V
Nominal current I <sub>N</sub>	15 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14

**GOST**

**GL**

**CCA**

Nominal voltage U <sub>N</sub>	250 V
Nominal current I <sub>N</sub>	
mm <sup>2</sup> /AWG/kcmil	2.5

**cULus Recognized**

## accessories

### Screwdriver tools

SZS 0,6X3,5 - 1205053



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accessories

## Labeled terminal marker

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



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## Pitch spacer

RZ 1,25-MKDS 1,5 - 1702048



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## Bridge

EBP 2- 5 - 1733169



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## Drawings

Drilling diagram

Dimensioned drawing