

# PCB terminal block - MKDSO 2,5/ 4-R KMGY - 2908472

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 320 V, Pitch: 5 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Article with lateral pin exit

## Product Features

- PCB terminal block for ME/ME MAX electronics housing
- PCB terminal block orthogonal to the PCB
- 5 mm pitch

## Key commercial data

<b>package_quantity</b>	250
<b>GTIN</b>	4017918361471

## Technical data

### Dimensions

<b>Length</b>	15.3 mm
<b>Pitch</b>	5 mm
<b>Dimension a</b>	15 mm
<b>Pin dimensions</b>	0,8 x 1
<b>Hole diameter</b>	1.4 mm

### General

<b>Range of articles</b>	MKDSO 2,5/..-R
<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>	320 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>	24 A
<b>Nominal cross section</b>	2.5 mm <sup>2</sup>
<b>Maximum load current</b>	24 A
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0

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## Technical data

### General

Internal cylindrical gage	A 2
Stripping length	8 mm
Number of positions	4
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.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
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.	0.75 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.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

## classifications

### eCl@ss

eCl@ss 4.0	27180401
eCl@ss 4.1	27180401
eCl@ss 5.0	27180506
eCl@ss 5.1	27141190
eCl@ss 6.0	27141190
eCl@ss 7.0	27141190
eCl@ss 8.0	27141190

### ETIM

ETIM 2.0	EC001031
ETIM 3.0	EC001031
ETIM 4.0	EC002637

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## classifications

### ETIM

<b>ETIM 5.0</b>	EC002643
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### UNSPSC

<b>UNSPSC 6.01</b>	31261501
<b>UNSPSC 7.0901</b>	31261501
<b>UNSPSC 11</b>	31261501
<b>UNSPSC 12.01</b>	31261501
<b>UNSPSC 13.2</b>	31261501

## approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCEB Scheme / GOST / GOST / cULus Recognized /

### Approval details

<b>CSA</b>		
<b>Usegroups</b>	<b>B</b>	<b>D</b>
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12

<b>UL Recognized</b>		
<b>Usegroups</b>	<b>B</b>	<b>D</b>
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-12	30-12

<b>VDE Gutachten mit Fertigungsüberwachung</b>	
Nominal voltage UN	450 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5


<b>cUL Recognized</b>	
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## approvals


Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-12	30-12

CCA	
Nominal voltage UN	450 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	2.5

IECEE CB Scheme 	
Nominal voltage UN	450 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	2.5

GOST 	
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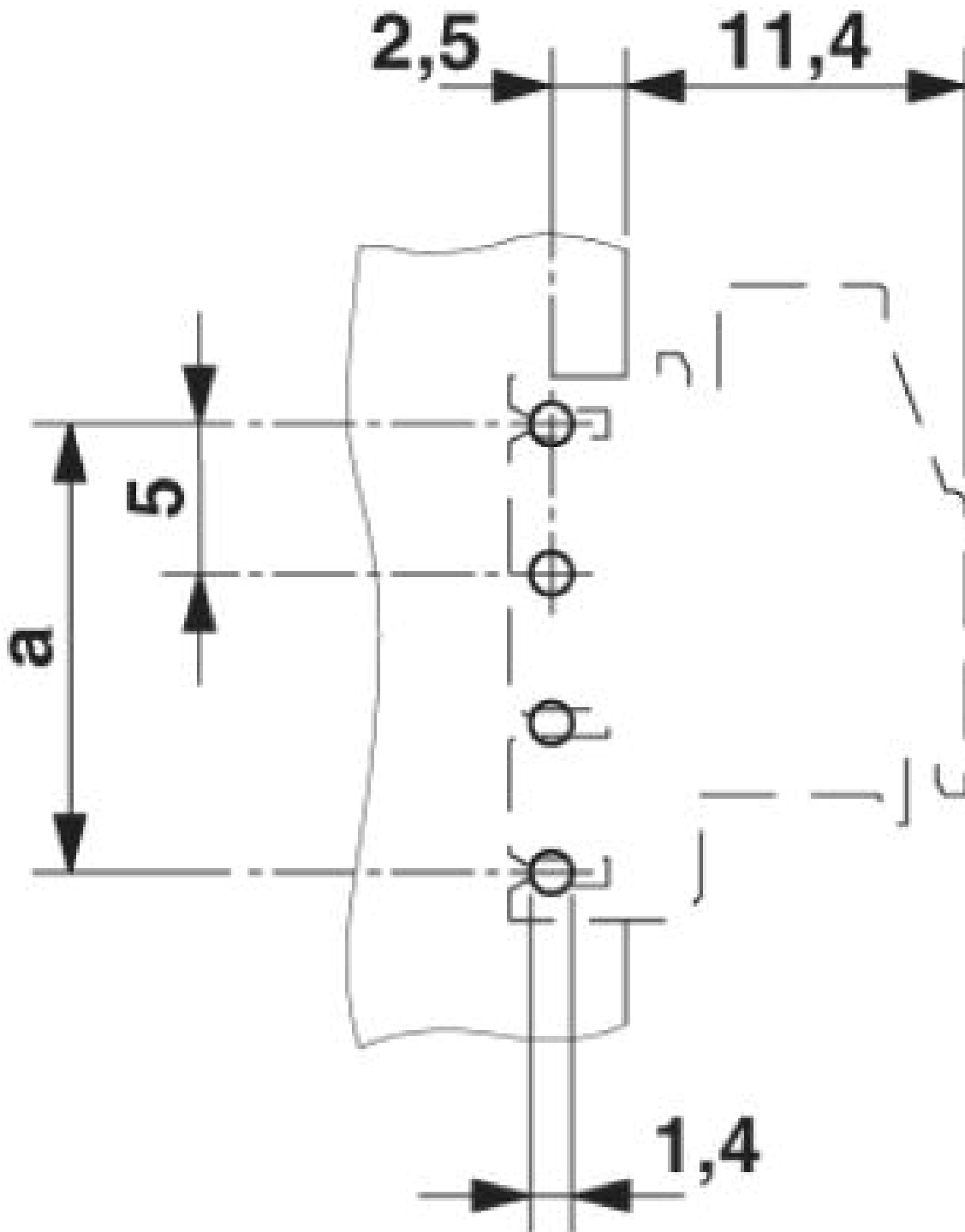
	
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cULus Recognized 	
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## Drawings

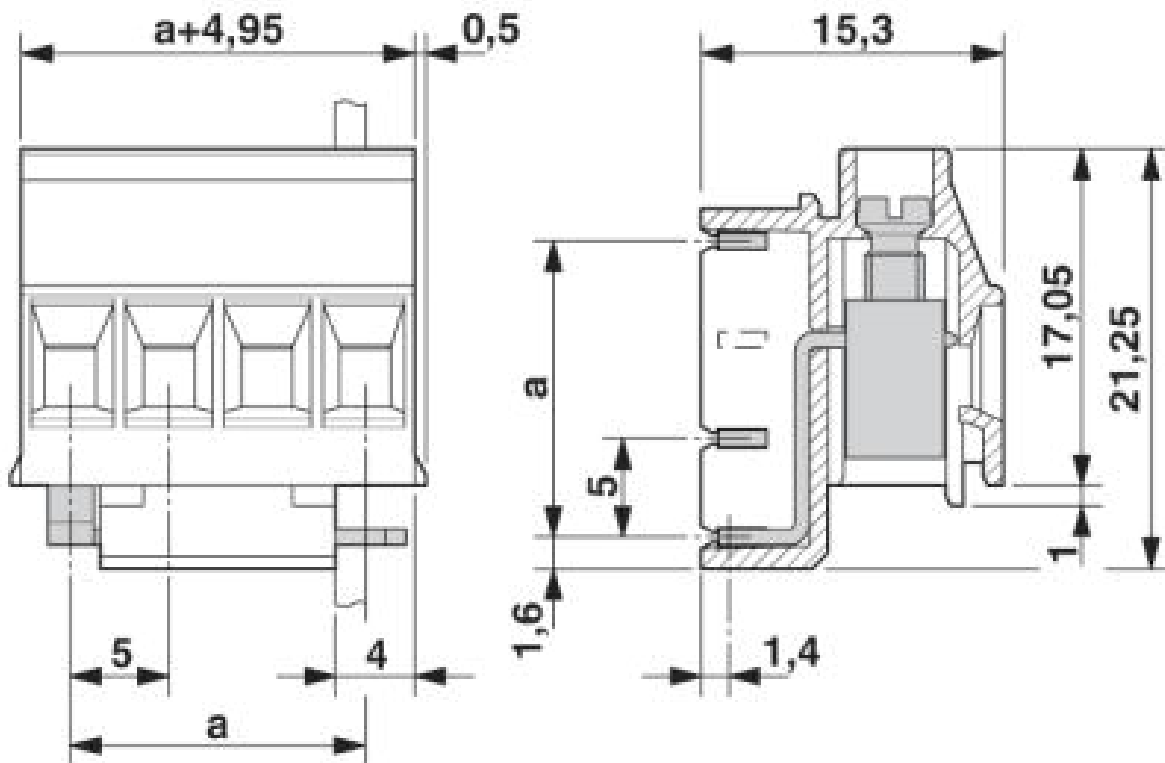
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Drilling diagram

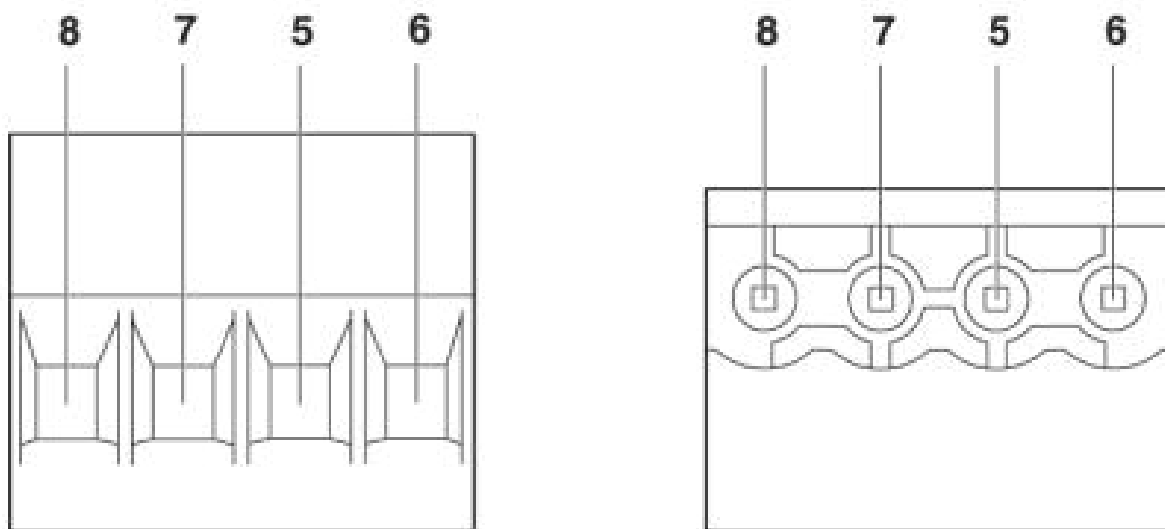


# PCB terminal block - MKDSO 2,5/ 4-R KMGY - 2908472

Dimensioned drawing



Schematic diagram



Pin assignment right