

# PCB terminal block - MKDS 5/ 4-7,62 - 1710589

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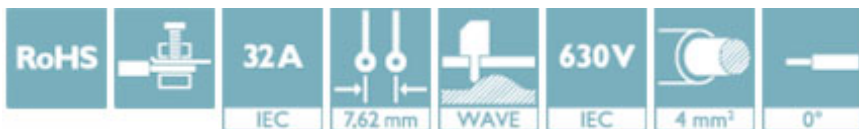


PCB terminal block, nominal current: 32 A, nom. voltage: 630 V, pitch: 7.62 mm, number of positions: 4, connection method: Screw connection with tension sleeve, mounting: Wave soldering, color: green. The article can be aligned to create different nos. of positions!

The figure shows the 3-pos. product version

## Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- The latching on the side enables various numbers of positions to be combined



## Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4055626176420

## Technical data

### Item properties

Brief article description	PCB terminal block
Range of articles	MKDS 5
Pitch	7.62 mm
Number of positions	4
Connection method	Screw connection with tension sleeve
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1

### Electrical parameters

Rated current	32 A
Rated insulation voltage (III/2)	630 V

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## Technical data

### Electrical parameters

Rated surge voltage (III/2)	6 kV
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### Connection capacity

Conductor cross section solid	0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG / kcmil	24 ... 10
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 µm Sn)

### Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

### Dimensions for the product

Length [ l ]	12.5 mm
Width [ w ]	30.48 mm
Height [ h ]	26.6 mm
Pitch	7.62 mm
Height (without solder pin)	21.5 mm
Solder pin [P]	5.1 mm
Pin dimensions	0.9 x 0.9 mm
Dimension a	22.86 mm

### Dimensions for PCB design

Hole diameter	1.3 mm
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## Technical data

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C

### Termination and connection method

### Pull-out test

Conductor cross section / conductor type / tensile force	0.2 mm <sup>2</sup> / solid / > 10 N
	0.2 mm <sup>2</sup> flexible 10 N > 0.2 mm <sup>2</sup> / flexible / > 10 N
	6 mm <sup>2</sup> solid 80 N > 6 mm <sup>2</sup> / solid / > 80 N
	4 mm <sup>2</sup> flexible 60 N > 4 mm <sup>2</sup> / flexible / > 60 N

### Electrical tests

Rated current	32 A
Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

### Air clearances and creepage distances

Insulating material group	I
Comparative tracking index (IEC 60112:2003-01)	CTI 600
Rated insulation voltage (III/3)	500 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Minimum clearance - inhomogeneous field (III/3)	5.5 mm
Minimum clearance - inhomogeneous field (III/2)	5.5 mm
Minimum clearance - inhomogeneous field (II/2)	5.5 mm
Minimum creepage distance value (III/3)	6.3 mm
Minimum creepage distance value (III/2)	3.2 mm
Minimum creepage distance value (II/2)	3.2 mm

### Standards and Regulations

Flammability rating according to UL 94	V0
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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## Technical data

### Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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## Approvals


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#### Approvals

cULus Recognized

#### Ex Approvals

### Approval details

cULus Recognized  <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E60425-19770427		
	D	B
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	30 A
mm <sup>2</sup> /AWG/kcmil	30-10	30-10

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