

## PCB terminal block - MKDSN 2,5/ 2 - 1890963

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PCB terminal block, Nominal current: 16 A, Nom. voltage: 400 V, Pitch: 5 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!

### Why buy this product

- Low-profile design, for generously dimensioned connection cross section of 2.5 mm<sup>2</sup>
- 5.0 or 5.08 mm pitch



### Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 250 pc  |
| GTIN                                 | <br>4 017918 169466 |
| Weight per Piece (excluding packing) | 2.85 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |
| Product key                          | AAACAA  |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 9.5 mm       |
| Pitch          | 5 mm         |
| Dimension a    | 5 mm         |
| Pin dimensions | 0,8 x 0,9 mm |
| Pin spacing    | 5 mm         |
| Hole diameter  | 1.3 mm       |

#### General

|                             |           |
|-----------------------------|-----------|
| Range of articles           | MKDSN 2,5 |
| 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      |

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## Technical data

### General

|   |   |
|---|---|
| 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 $I_N$                   | 16 A  |
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                     |
| Maximum load current                    | 16 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA  |
| Solder pin surface                      | Sn  |
| Inflammability class according to UL 94 | V0  |
| Internal cylindrical gage               | A3  |
| Stripping length                        | 6.5 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.  | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 2.5 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.              | 2.5 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.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.  | 24                   |
| Conductor cross section AWG/kcmil max   | 14                   |
| 2 conductors with same cross section, solid min.  | 0.2 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.                                     | 0.2 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                   |

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## Technical data

### Connection data

|                                 |    |
|---------------------------------|----|
| Maximum AWG according to UL/CUL | 12 |
|---------------------------------|----|

## Classifications

### eCl@ss

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

### Approvals

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#### Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / GOST / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

# PCB terminal block - MKDSN 2,5/ 2 - 1890963

## Approvals

UL Recognized

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

VDE Gutachten mit Fertigungsüberwachung

|                            |         |
|----------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
| Nominal current IN         | 24 A    |
| Nominal voltage UN         | 250 V   |

cUL Recognized

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

GOST

GOST

cULus Recognized

## Accessories

Accessories

Labeled terminal marker

## PCB terminal block - MKDSN 2,5/ 2 - 1890963

### Accessories

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

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### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Terminal marking

Marker card - SK 5/3,8:UNBEDRUCKT - 0805409



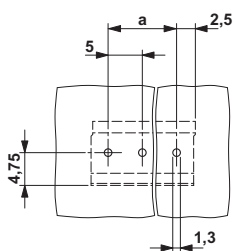
Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

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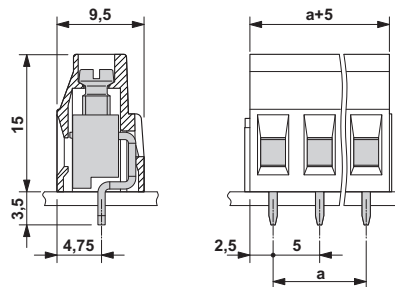
### Drawings

# PCB terminal block - MKDSN 2,5/ 2 - 1890963

Drilling diagram



Dimensioned drawing

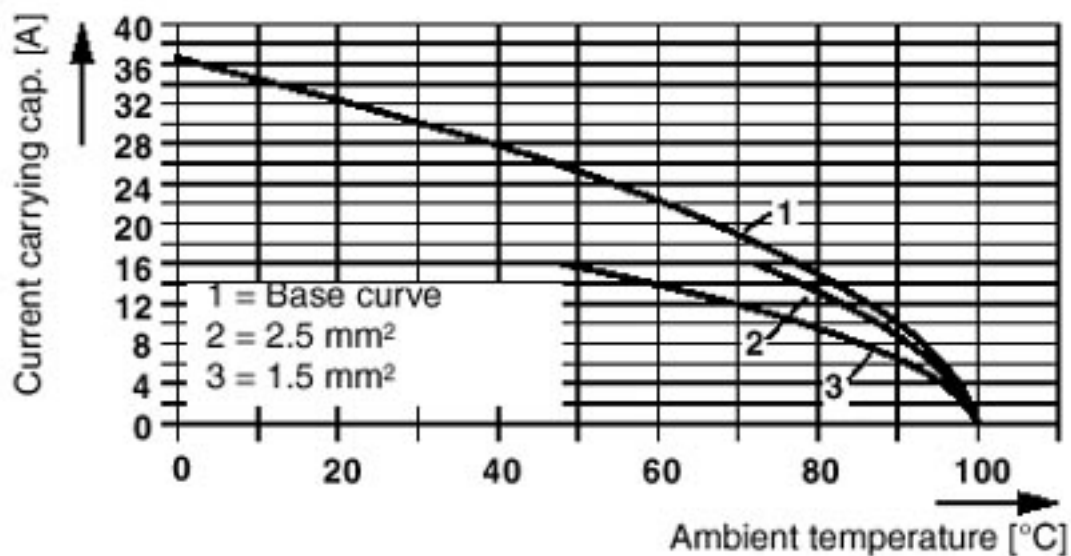


Catalog photo



Figure may contain other products.

Diagram





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