

## PCB terminal block - MKDSN 1,5/ 2-5,08 H1L - 1989722

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 1.91 GRM |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

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

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MKDSN 1,5           |
| 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 $I_N$            | 13.5 A              |
| Nominal cross section            | 1.5 mm <sup>2</sup> |
| Solder pin surface               | Sn                  |
| Internal cylindrical gage        | A1                  |
| Stripping length                 | 6 mm                |
| Number of positions              | 2                   |
| Screw thread                     | M3                  |

# PCB terminal block - MKDSN 1,5/ 2-5,08 H1L - 1989722

## Technical data

### General

|                        |        |
|------------------------|--------|
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

### Connection data

|   |                      |
|---|----------------------|
| 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 |
| 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 |

# PCB terminal block - MKDSN 1,5/ 2-5,08 H1L - 1989722

## Classifications

### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 11    | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2  | 39121432 |

## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted


## Approval details

|                                |       |       |
|--------------------------------|-------|-------|
| CSA                            |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 28-14 | 28-14 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 150 V | 300 V |


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

## PCB terminal block - MKDSN 1,5/ 2-5,08 H1L - 1989722

### Approvals

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

|  |
|--|
| GOST  |
|--|

|  |
|--|
| cULus Recognized  |
|--|