

## PCB terminal block - MKDSN 1,5/10-5,08 BK - 1907830

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PCB terminal block, Nominal current: 13.5 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: black



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 9.88 GRM |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                |            |
|----------------|------------|
| Length         | 8.1 mm     |
| Pitch          | 5.08 mm    |
| Dimension a    | 45.72 mm   |
| Pin dimensions | 0,5 x 1 mm |
| Hole diameter  | 1.3 mm     |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MKDSN 1,5           |
| 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                |
| 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> |
| Maximum load current             | 13.5 A              |
| Insulating material              | PA                  |

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## Technical data

### General

|   |        |
|---|--------|
| Solder pin surface                      | Sn     |
| Inflammability class according to UL 94 | V0     |
| Internal cylindrical gage               | A1     |
| Stripping length                        | 6 mm   |
| Number of positions                     | 10     |
| 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.  | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section stranded max.   | 1.5 mm <sup>2</sup>  |
| 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 |

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## Classifications

### eCl@ss

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


#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / CCA / IECCEB Scheme / GOST / GOST / SEV / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

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

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## Approvals

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

|                                |        |
|--------------------------------|--------|
| SEV                            |        |
| mm <sup>2</sup> /AWG/kcmil     | 1.5    |
| Nominal current I <sub>N</sub> | 13.5 A |
| Nominal voltage U <sub>N</sub> | 250 V  |

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

|     |
|-----|
| CCA |
|-----|

|                 |
|-----------------|
| IECEE CB Scheme |
|-----------------|

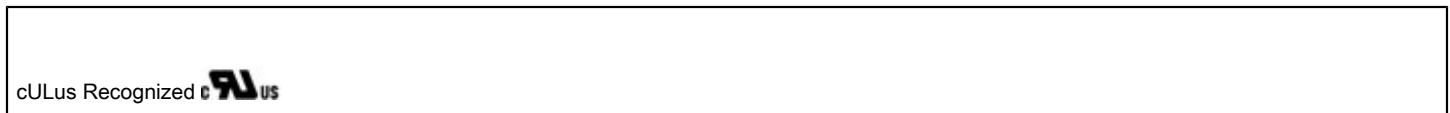
|      |
|------|
| GOST |
|------|

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

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## Approvals

|                            |       |
|----------------------------|-------|
| SEV                        |       |
| mm <sup>2</sup> /AWG/kcmil | 1.5   |
| Nominal voltage UN         | 250 V |



## Drawings

Diagram

