

## PCB terminal block - MKDS 1/ 2-3,81 BK - 1870572

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: black

### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 1.16 GRM |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 7.3 mm       |
| Height         | 8.5 mm       |
| Pitch          | 3.81 mm      |
| Dimension a    | 3.81 mm      |
| Pin dimensions | 0,5 x 0,9 mm |
| Hole diameter  | 1.1 mm       |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MKDS 1              |
| Rated surge voltage (III/3)      | 2.5 kV              |
| Rated surge voltage (III/2)      | 2.5 kV              |
| Rated surge voltage (II/2)       | 2.5 kV              |
| Rated voltage (III/3)            | 160 V               |
| Rated voltage (III/2)            | 200 V               |
| Rated voltage (II/2)             | 400 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                  |
| Stripping length                 | 5 mm                |
| Number of positions              | 2                   |
| Screw thread                     | M2                  |
| Tightening torque, min           | 0.22 Nm             |

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### Technical data

#### General

|                       |         |
|-----------------------|---------|
| Tightening torque max | 0.25 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.    | 0.5 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. | 0.34 mm <sup>2</sup> |
| Minimum AWG according to UL/CUL                     | 30                   |
| Maximum AWG according to UL/CUL                     | 16                   |

### 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

## PCB terminal block - MKDS 1/ 2-3,81 BK - 1870572

### Approvals

#### Approvals

CSA / UL Recognized / SEV / cUL Recognized / GOST / CCA / IEC CB Scheme / GOST / SEV / cULus Recognized

#### Ex Approvals

#### Approvals submitted

#### Approval details

|                                                                                       |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
| CSA  |       |       |
|                                                                                       | B     | D     |
| mm²/AWG/kcmil                                                                         | 28-16 | 28-16 |
| Nominal current I <sub>N</sub>                                                        | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                        | 150 V | 300 V |

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | D     |
| mm²/AWG/kcmil                                                                                     | 30-16 | 30-16 |
| Nominal current I <sub>N</sub>                                                                    | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                    | 300 V | 300 V |

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
|                                |       |
| mm²/AWG/kcmil                  | 1.5   |
| Nominal current I <sub>N</sub> | 12 A  |
| Nominal voltage U <sub>N</sub> | 125 V |

|                                                                                                    |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                    | B     | D     |
| mm²/AWG/kcmil                                                                                      | 30-16 | 30-16 |

## PCB terminal block - MKDS 1/ 2-3,81 BK - 1870572

### Approvals

|                                | B     | D     |
|--------------------------------|-------|-------|
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

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

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

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

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

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
| Nominal voltage U <sub>N</sub> | 125 V |

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