

## PCB terminal block - MKDS 1/ 6-3,81 - 1727052

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 10-position version of the product

### Product Features

- ☒ Single-row type with horizontal connection direction

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 100           |
| GTIN             | 4017918025526 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 7.3 mm       |
| Height         | 8.5 mm       |
| Pitch          | 3.81 mm      |
| Dimension a    | 19.05 mm     |
| Pin dimensions | 0,5 x 0,9 mm |
| Hole diameter  | 1.1 mm       |

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | MKDS 1              |
| Insulating material group        | I                   |
| 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 <sub>N</sub>   | 13.5 A              |
| Nominal cross section            | 1.5 mm <sup>2</sup> |
| Insulating material              | PA                  |
| Solder pin surface               | Sn                  |

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## Technical data

### General

|                                         |         |
|-----------------------------------------|---------|
| Inflammability class according to UL 94 | V0      |
| Stripping length                        | 5 mm    |
| Number of positions                     | 6       |
| Screw thread                            | M2      |
| Tightening torque, min                  | 0.22 Nm |
| Tightening torque max                   | 0.25 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 stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 0.5 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.    | 0.5 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.                           | 0.5 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 |

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## classifications

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211801 |
| <b>UNSPSC 7.0901</b> | 39121432 |
| <b>UNSPSC 11</b>     | 39121432 |
| <b>UNSPSC 12.01</b>  | 39121432 |
| <b>UNSPSC 13.2</b>   | 39121432 |

## approvals

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

### Approval details

| <b>CSA</b>  |       |       |
|----------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                    | B     | D     |
| Nominal voltage UN                                                                           | 150 V | 300 V |
| Nominal current IN                                                                           | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                | 28-16 | 28-16 |

| <b>UL Recognized</b>  |       |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                                | B     | D     |
| Nominal voltage UN                                                                                       | 300 V | 300 V |
| Nominal current IN                                                                                       | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                            | 30-16 | 30-16 |

| <b>SEV</b>         |       |
|--------------------|-------|
|                    |       |
| Nominal voltage UN | 125 V |
| Nominal current IN |       |
| mm²/AWG/kcmil      | 1.5   |

| <b>cUL Recognized</b>  |       |       |
|-----------------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                                 | B     | D     |
| Nominal voltage UN                                                                                        | 300 V | 300 V |
| Nominal current IN                                                                                        | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                             | 30-16 | 30-16 |

## PCB terminal block - MKDS 1/ 6-3,81 - 1727052

approvals

GOST 

CCA

IECEE CB Scheme 



cULus Recognized 

accessories

**Screwdriver tools**

SZS 0,4X2,5 VDE - 1205037



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**Labeled terminal marker**

SK 3,81/2,8:FORTL.ZAHLEN - 0804109



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**Marker pen**

## PCB terminal block - MKDS 1/ 6-3,81 - 1727052

### accessories

B-STIFT - 1051993



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### accessories

SK 3,81/2,8:UNBEDRUCKT - 0805399

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SK 3,81/2,8: 0-9 - 0804112

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SK 3,81/2,8:SO - 0805056



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SK 3,81/2,8: 1-250 - 0804141

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## accessories

SK 3,81/2,8: 501-750 - 0804167

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SK 3,81/2,8: 751-1000 - 0804170

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## Drawings

Drilling diagram

Dimensioned drawing

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