

## PCB terminal block - MKDS 1/ 7-3,81 - 1727065

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 7, Connection method: Screw connection with tension sleeve, Mounting: Wave 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

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 017918 025533 |
| Weight per Piece (excluding packing) | 3.83 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 7.3 mm       |
| Pitch                    | 3.81 mm      |
| Dimension a              | 22.86 mm     |
| Width                    | 26.66 mm     |
| Constructional height    | 8.5 mm       |
| Height                   | 12 mm        |
| Length of the solder pin | 3.5 mm       |
| Pin dimensions           | 0,5 x 0,9 mm |

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## Technical data

### Dimensions

|               |        |
|---------------|--------|
| 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 $I_N$                  | 13.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Insulating material                    | PA                  |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 5 mm                |
| Number of positions                    | 7                   |
| 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 flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26                   |
| Conductor cross section AWG 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> |

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## Technical data

### Standards and Regulations

|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CSA    |
| Flammability rating according to UL 94 | V0     |

## 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 |
| eCl@ss 9.0 | 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

CSA / SEV / CCA / IECCEB Scheme / EAC / EAC / cULus Recognized / cULus Recognized

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#### Ex Approvals

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## Approvals

Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
| CSA  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /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 |

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
|                                |       |
| mm <sup>2</sup> /AWG/kcmil     | 1.5   |
| Nominal current I <sub>N</sub> | 12 A  |
| Nominal voltage U <sub>N</sub> | 125 V |

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

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

|     |
|-----|
| EAC |
|-----|

|     |
|-----|
| EAC |
|-----|

|                                |       |       |
|--------------------------------|-------|-------|
| cULus Recognized               |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /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 |

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

# PCB terminal block - MKDS 1/ 7-3,81 - 1727065

## Accessories

### Accessories

#### Labeled terminal marker

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



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: 3.81 mm, Lettering field: 3.81 x 2.8 mm

#### 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

#### Screwdriver tools

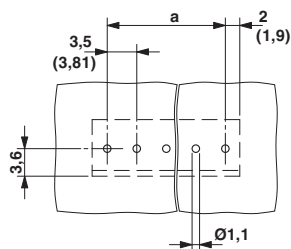
Screwdriver - SZS 0,4X2,5 VDE - 1205037



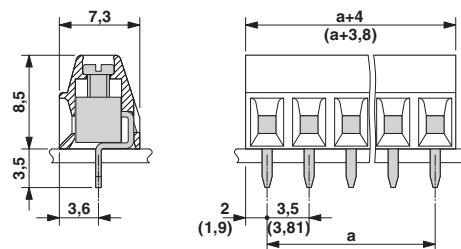
Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram



Dimensional drawing





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