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# PCB terminal block - MKDS 1,5/ 2-5,08 - 1715721

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PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!
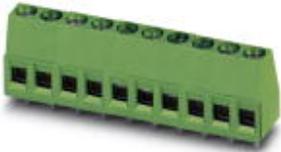
The figure shows a 10-position version of the product

## Product Features

- Well-known connection principle allows worldwide use

- Low temperature rise, thanks to maximum contact force

- Allows connection of two conductors

- The latch on the side enables various numbers of positions to be combined
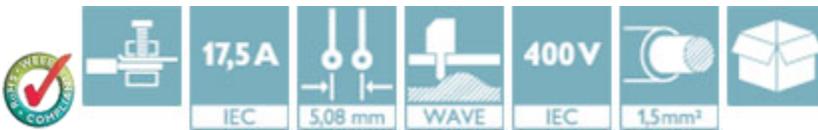
## Key Commercial Data

| Packing unit | 1 pc |
|---|---|
| GTIN | 4 017918 024192 |
| Weight per Piece (excluding packing) | 2.94 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| Length | 9.8 mm |
|---|---|
| Pitch | 5.08 mm |
| Dimension a | 5.08 mm |
| Width | 12.7 mm |
| Constructional height | 13.8 mm |

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## Technical data

### Dimensions

| | |
|---|---|
| Height | 17.3 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 0,9 x 0,9 mm |
| Hole diameter | 1.3 mm |

### General

| | |
|---|---|
| Range of articles | MKDS 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 $I_N$ | 17.5 A |
| Nominal cross section | 1.5 mm² |
| Maximum load current | 22 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 7 mm |
| Number of positions | 2 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm² |
| Conductor cross section AWG min. | 26 |

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## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section AWG max. | 14 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 1 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm² |

### 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 |

# PCB terminal block - MKDS 1,5/ 2-5,08 - 1715721

## Classifications

### UNSPSC

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

## Approvals

### Approvals

#### Approvals

CSA / SEV / GL / CCA / EAC / EAC / cULus Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

CSA 🇸🇵

|  | B | D |
|---|---|---|
| mm²/AWG/kcmil | 28-14 | 28-14 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| SEV | |
|---|---|
|  |  |
| mm²/AWG/kcmil | 2.5 |
| Nominal voltage UN | 250 V |

| GL |
|---|

| CCA | |
|---|---|
|  |  |
| mm²/AWG/kcmil | 2.5 |
| Nominal voltage UN | 250 V |

# PCB terminal block - MKDS 1,5/ 2-5,08 - 1715721

## Approvals

| EAC |
|---|

| EAC |
|---|

| cULus Recognized | | |
|---|---|---|
| | B | D |
| mm²/AWG/kcmil | 30-14 | 30-14 |
| Nominal current IN | 15 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| |
|---|
| cULus Recognized c **ꓤ** us |

## Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

Insertion bridge - EBP 2- 5 - 1733169

Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

Pitch spacer

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# PCB terminal block - MKDS 1,5/ 2-5,08 - 1715721

## Accessories

Pitch spacer - RZ 1,25-MKDS 1,5 - 1702048

Pitch spacer, for adjusting the pitches between MKDS and GMKDS terminal blocks in mixed rows, 1.25 mm thick
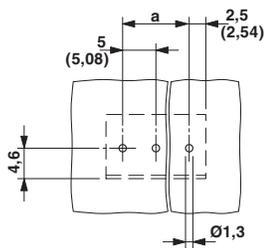
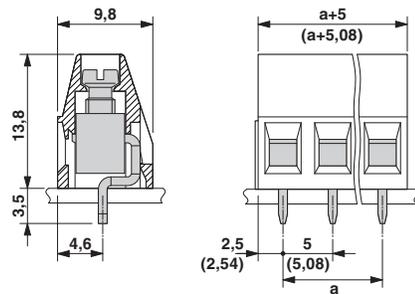## Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
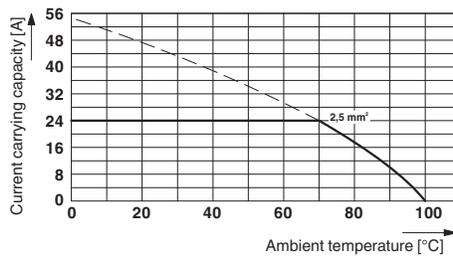
## Drawings

Drilling diagram

Dimensional drawing

Diagram

Type: MKDS 1,5/2 and MKDS 1,5/3
Test as per DIN EN 60512-5-2:2003-01
Reduction factor = 1

# PCB terminal block - MKDS 1,5/ 2-5,08 - 1715721

No. of positions: 5

# Mouser Electronics

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