

## PCB terminal block - MKKDSN 1,5/ 5-5,08 - 1726176

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PCB terminal block, nominal current: 13.5 A, pitch: 5.08 mm, number of positions: 5, 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 5-position version

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Extremely small design for the respective conductor cross section
- ✓ Conductor connection on several levels enables higher contact density
- ✓ The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 pc   |
| GTIN         | <br>4 017918 025441 |
| GTIN         | 4017918025441   |

### Technical data

#### Dimensions

|                  |          |
|------------------|----------|
| Length [ l ]     | 18.3 mm  |
| Pitch            | 5.08 mm  |
| Dimension a      | 20.32 mm |
| Width [ w ]      | 27.94 mm |
| Height           | 19.1 mm  |
| Height [ h ]     | 22.6 mm  |
| Solder pin [ P ] | 3.5 mm   |
| Pin spacing      | 10.16 mm |
| Hole diameter    | 1.3 mm   |

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## Technical data

### General

|  |                     |
|--|---------------------|
| Range of articles                      | MKKDSN 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                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 6 mm                |
| Number of positions                    | 5                   |
| 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 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.              | 1 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.                 | 1 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.  | 0.75 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>  |

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### Technical data

#### Connection data

|   |   |
|---|---|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm <sup>2</sup> - 1st Level / 0,5 mm <sup>2</sup> - 2nd Level |
|---|---|

#### Standards and Regulations

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

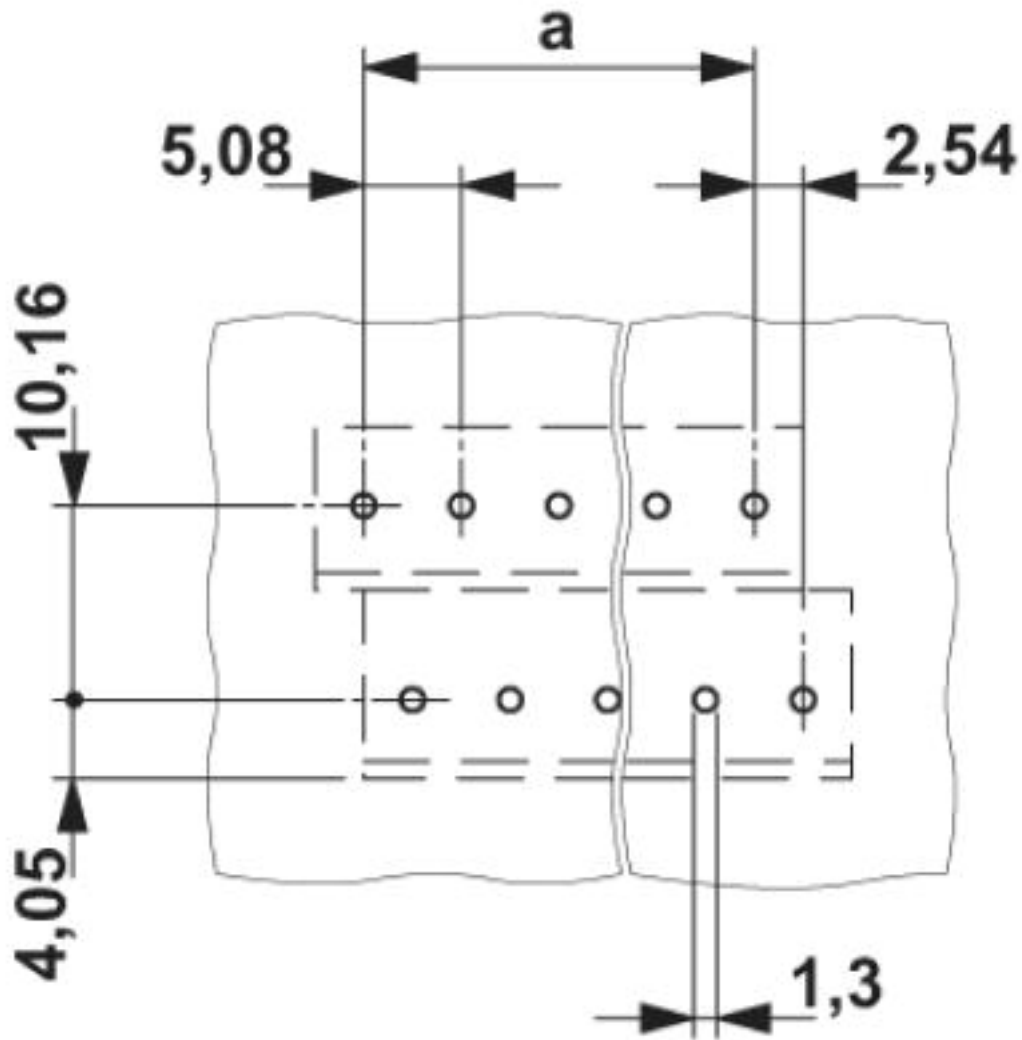
#### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

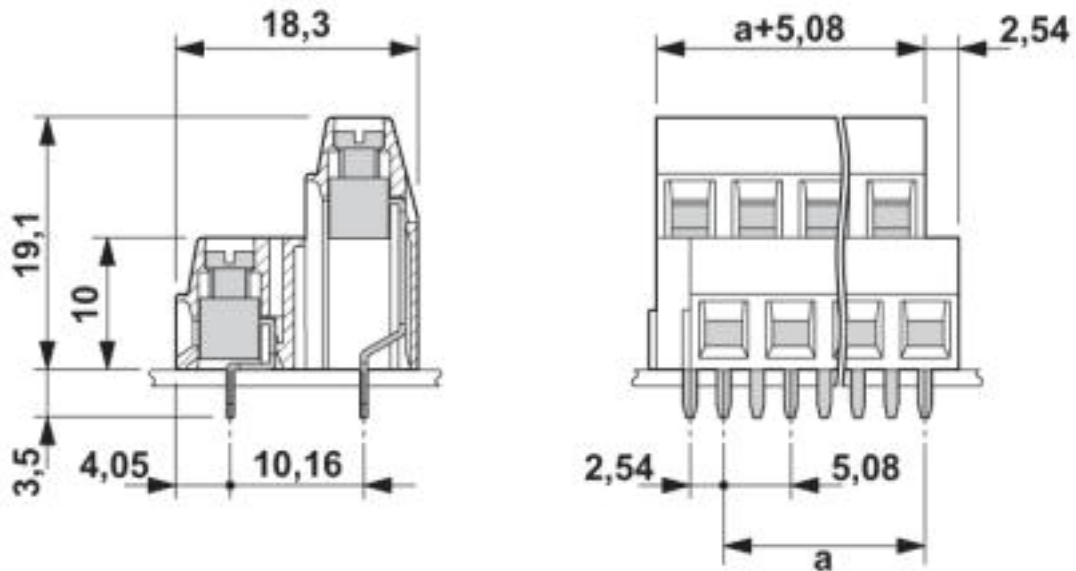
# PCB terminal block - MKKDSN 1,5/ 5-5,08 - 1726176

Drilling diagram



# PCB terminal block - MKKDSN 1,5/ 5-5,08 - 1726176

Dimensional drawing



## Approvals

Approvals

Approvals

CSA / IEC/CE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

## Approval details


|                            |  |   |       |
|----------------------------|--|---|-------|
| CSA                        |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                            |  | B   | D     |
| Nominal voltage UN         |  | 150 V   | 300 V |
| Nominal current IN         |  | 10 A  | 10 A  |
| mm <sup>2</sup> /AWG/kcmil |  | 28-14   | 28-14 |


|                    |  |   |         |
|--------------------|--|---|---------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-8225 |
| Nominal voltage UN |  | 250 V   |         |
| Nominal current IN |  | 13.5 A  |         |


## PCB terminal block - MKKDSN 1,5/ 5-5,08 - 1726176

### Approvals

|               |     |
|---------------|-----|
| mm²/AWG/kcmil | 1.5 |
|---------------|-----|

|                    |   |   |            |
|--------------------|---|---|------------|
| SEV                |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-3542-M1 |
| Nominal voltage UN | 250 V   |   |            |
| Nominal current IN | 13.5 A  |   |            |
| mm²/AWG/kcmil      | 1.5   |   |            |

|     |   |         |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

|                    |  |   |                 |
|--------------------|--|---|-----------------|
| cULus Recognized   |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19770427 |
|                    | B  | D   |                 |
| Nominal voltage UN | 300 V  | 300 V   |                 |
| Nominal current IN | 10 A   | 10 A  |                 |
| mm²/AWG/kcmil      | 30-14  | 30-14   |                 |

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