# PCB terminal block base - MKKDSH 3/ 8 - 1703283

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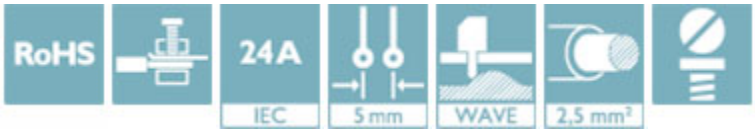
The figure shows a 2-position version

PCB terminal block, nominal current: 24 A, pitch: 5 mm, number of positions: 8, 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!

## Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Conductor connection on several levels enables higher contact density
- Tall type enables conductor connection for sealed PCBs
- Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve
- The latching on the side enables various numbers of positions to be combined




## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 017918 105426 |
| GTIN | 4017918105426 |
| Weight per Piece (excluding packing) | 21.500 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 11.1 mm |

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## Technical data

### Dimensions

| | |
|---|---|
| Pitch | 5 mm |
| Dimension a | 35 mm |
| Width [ w ] | 40 mm |
| Height | 31.5 mm |
| Height [ h ] | 36.5 mm |
| Solder pin [P] | 5 mm |
| Hole diameter | 1.3 mm |

### General

| | |
|---|---|
| Range of articles | MKKDSH 3 |
| 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 $I_N$ | 24 A |
| Nominal cross section | 2.5 mm² |
| Maximum load current | 24 A (with 4 mm² conductor cross section) |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| Stripping length | 7 mm |
| Number of positions | 8 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 2.5 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 |

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## Technical data

### Connection data

| | |
|---|---|
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |
| 2 conductors with same cross section, solid min. | 0.2 mm² |
| 2 conductors with same cross section, solid max. | 1.5 mm² |
| 2 conductors with same cross section, stranded min. | 0.2 mm² |
| 2 conductors with same cross section, stranded max. | 1.5 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. | 0.75 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. | 1.5 mm² |

### Standards and Regulations

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

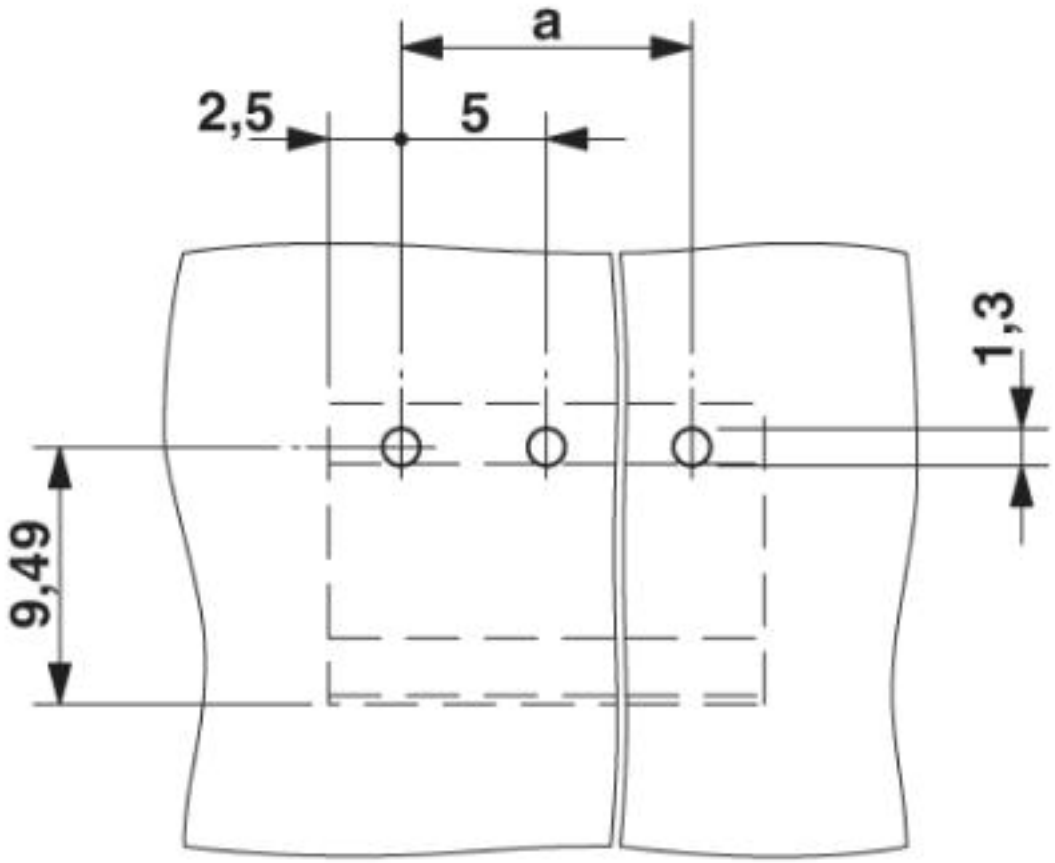
### Environmental Product Compliance

| | |
|---|---|
| | 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

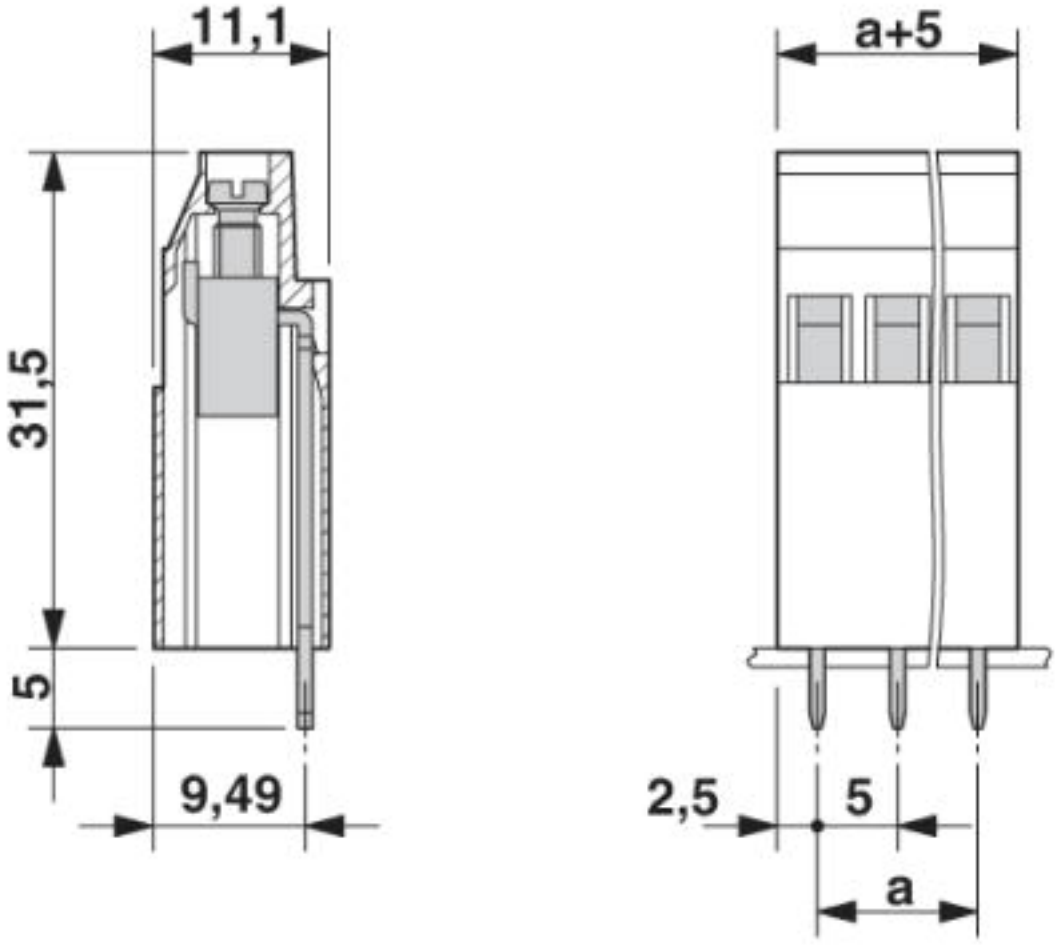
# PCB terminal block base - MKKDSH 3/ 8 - 1703283

Drilling diagram



# PCB terminal block base - MKKDSH 3/ 8 - 1703283

Dimensional drawing




## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141100 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

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## Classifications

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |
| ETIM 6.0 | EC002643 |
| ETIM 7.0 | EC002643 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

## Approvals

### Approvals

Approvals

UL Recognized / cUL Recognized / IECEE CB Scheme / SEV / EAC

Ex Approvals

### Approval details

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425

| | B | D |
|---|---|---|
| Nominal voltage UN | 125 V | 300 V |
| Nominal current IN | 15 A | 10 A |
| mm²/AWG/kcmil | 30-12 | 30-12 |

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## Approvals

| | | | |
|---|---|---|---|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |

| | B | D |
|---|---|---|
| Nominal voltage UN | 125 V | 300 V |
| Nominal current IN | 15 A | 10 A |
| mm²/AWG/kcmil | 30-12 | 30-12 |

| | | | |
|---|---|---|---|
| IECEE CB Scheme | | http://www.iecee.org/ | CH-8225 |

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 24 A |
| mm²/AWG/kcmil | 4 |

| | | | |
|---|---|---|---|
| SEV | | https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html | IK-3542-M1 |

| | |
|---|---|
| Nominal voltage UN | 250 V |
| Nominal current IN | 24 A |
| mm²/AWG/kcmil | 4 |

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

## Accessories

### Accessories

### Bridge

Insertion bridge - EBP 2- 5 - 1733169

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## Accessories

### Cover

Cover - EA-MKDS - 1711408

Single cover for single and multi-level MKDS 3 PCB terminal blocks, for covering individual terminal positions, color: orange, transparent

### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183

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: 5 mm, lettering field size: 5 x 3.8 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 0,6X3,5 - 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

### Terminal marking

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## Accessories

Marker card - SK 5/3,8:UNBEDRUCKT - 0805409

Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: 5 x 3.8 mm