

PCB terminal block - MKDS 1,5/ 2 HT BK - 1985881

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PCB terminal block, nominal current: 17.5 A, nom. voltage: 320 V, pitch: 5 mm, number of positions: 2, connection method: Screw connection with tension sleeve, mounting: THR soldering, conductor/PCB connection direction: 0 °, color: black. This article can be soldered in the reflow furnace together with SMD components.

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Designed for integration into the SMT soldering process
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 STK |
| Minimum order quantity | 50 STK |
| GTIN |  4 017918 929282 |
| GTIN | 4017918929282 |
| Weight per Piece (excluding packing) | 4.180 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------|--------|
| Length [l] | 9.8 mm |
| Pitch | 5 mm |
| Dimension a | 5 mm |
| Width [w] | 10 mm |

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Technical data

Dimensions

| | |
|-----------------------|--------------|
| Constructional height | 13.8 mm |
| Height [h] | 17.3 mm |
| Solder pin [P] | 3.5 mm |
| Pin dimensions | 0,9 x 0,9 mm |
| Pin spacing | 5 mm |
| Hole diameter | 1.3 mm |

General

| | |
|--|---|
| Range of articles | MKDS 1,5/...-HT |
| Insulating material group | IIIa |
| 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) | 200 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 320 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 17.5 A |
| Nominal cross section | 1.5 mm ² |
| Maximum load current | 24 A (with a 2.5 mm ² conductor cross section) |
| Insulating material | PA |
| Contact material | Cu alloy |
| 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 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |

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Technical data

Connection data

| | |
|---|----------------------|
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 14 |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |
| 2 conductors with same cross section, solid max. | 1 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1 mm ² |

Standards and Regulations

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

Environmental Product Compliance

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

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 |

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Classifications

ETIM

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

UNSPSC

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

Approvals


Approvals

Approvals


SEV / CCA / IECEE CB Scheme / EAC / cULus Recognized / CCA / IECEE CB Scheme

Ex Approvals

Approval details

| | | | |
|--------------------------------|---|---|------------|
| SEV |  | https://www.electrosuisse.ch/en/meta/shop/product-certificates.html | IK-3542-M1 |
| mm ² /AWG/kcmil | 2.5 | | |
| Nominal current I _N | 24 A | | |
| Nominal voltage U _N | 250 V | | |

| | |
|-----|---------|
| CCA | IK-2722 |
|-----|---------|

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

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Approvals

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

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|--------------------------------|-------|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19770427 |
| | B | D | |
| mm ² /AWG/kcmil | 30-14 | 30-14 | |
| Nominal current I _N | 15 A | 10 A | |
| Nominal voltage U _N | 300 V | 300 V | |

| | | | |
|--------------------------------|---------|--|--|
| CCA | IK-2722 | | |
| | | | |
| mm ² /AWG/kcmil | 2.5 | | |
| Nominal current I _N | 24 A | | |
| Nominal voltage U _N | 250 V | | |

| | | | |
|--------------------------------|-------|---|---------|
| IECEE CB Scheme | | http://www.iecee.org/ | CH-8225 |
| | | | |
| mm ² /AWG/kcmil | 2.5 | | |
| Nominal current I _N | 24 A | | |
| Nominal voltage U _N | 250 V | | |

Accessories

Accessories

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

Screwdriver tools

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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