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PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 3, 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

- Allows connection of two conductors
- 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 | 1 pc |
|--------------------------------------|-----------------|
| GTIN | 4 017918 025274 |
| GTIN | 4017918025274 |
| Weight per Piece (excluding packing) | 10.610 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Item properties

| Brief article description | PCB terminal block |
|---------------------------|--------------------------------------|
| Range of articles | MKKDS 1,5 |
| Pitch | 5 mm |
| Number of positions | 3 |
| Connection method | Screw connection with tension sleeve |

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Technical data

Item properties

| Drive form screw head | Slotted (L) |
|-----------------------|----------------|
| Screw thread | M3 |
| Mounting type | Wave soldering |
| Pin layout | Linear pinning |
| Number of levels | 2 |

Electrical parameters

| Rated current | 17.5 A |
|----------------------------------|--------|
| Rated insulation voltage (III/2) | 400 V |
| Rated surge voltage (III/2) | 4 kV |

Connection capacity

| Conductor cross section solid | 0.14 mm² 2.5 mm² |
|--|-------------------|
| Conductor cross section flexible | 0.14 mm² 1.5 mm² |
| Conductor cross section AWG / kcmil | 26 14 |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.25 mm² 1 mm² |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 0.25 mm² 1.5 mm² |
| 2 conductors with same cross section, solid | 0.14 mm² 1 mm² |
| 2 conductors with same cross section, flexible | 0.14 mm² 0.75 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve | 0.25 mm² 0.5 mm² |
| 2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve | 0.5 mm² 0.5 mm² |
| Stripping length | 7 mm |
| Torque | 0.5 Nm 0.6 Nm |

Material data - contact

| Note | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
|---|--|
| Contact material | Cu alloy |
| Metal surface terminal point (top layer) | Tin (5 - 7 μm Sn) |
| Metal surface terminal point (middle layer) | Nickel (2 - 3 µm Ni) |
| Metal surface soldering area (top layer) | Tin (5 - 7 μm Sn) |
| Metal surface soldering area (middle layer) | Nickel (2 - 3 µm Ni) |

Material data - housing

| Insulating material | PA |
|--|-----|
| Insulating material group | I |
| CTI according to IEC 60112 | 600 |
| Flammability rating according to UL 94 | V0 |

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Technical data

Material data - housing

| Glow wire flammability index GWFI according to EN 60695-2-12 | 850 |
|---|--------|
| Glow wire ignition temperature GWIT according to EN 60695-2-13 | 775 |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C |

Dimensions for the product

| Caption | Schematic representation – for additional information, see product range drawing in the Download Center |
|-----------------------------|---|
| Length [1] | 21.4 mm |
| Width [w] | 17.5 mm |
| Height [h] | 28.7 mm |
| Pitch | 5 mm |
| Height (without solder pin) | 25.2 mm |
| Solder pin [P] | 3.5 mm |
| Pin dimensions | 0.9 x 0.9 mm |
| Dimension a | 10 mm |

Dimensions for PCB design

| Hole diameter | 1.3 mm |
|---------------|--------|
| | |

Packaging information

| Type of packaging | packed in cardboard |
|----------------------------|---------------------|
| Pieces per package | 100 |
| Denomination packing units | Pcs. |

Electrical tests

| Rated current | 17.5 A |
|----------------------------------|--------|
| Rated insulation voltage (III/2) | 400 V |
| Rated surge voltage (III/2) | 4 kV |

Air clearances and creepage distances

| Insulating material group | |
|----------------------------------|-------|
| <u> </u> | 050.7 |
| Voltage | 250 V |
| Rated insulation voltage (III/3) | 250 V |
| Rated insulation voltage (III/2) | 400 V |
| Rated insulation voltage (II/2) | 630 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |

Standards and Regulations

| Connection in acc. with standard | EN-VDE |
|----------------------------------|--------|

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Technical data

Standards and Regulations

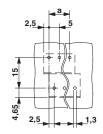
| | CSA |
|--|-----|
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

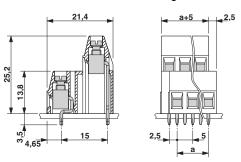
| REACh SVHC | Lead 7439-92-1 | |
|------------|---|--|
| China RoHS | Environmentally Friendly Use Period = 50 | |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" | |

Drawings

Drilling diagram



Dimensional drawing



Classifications

eCl@ss

| eCl@ss 4.0 | 27141109 |
|------------|----------|
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| 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 |

ETIM

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

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

CSA / UL Recognized / SEV / cUL Recognized / CCA / EAC / cULus Recognized

Ex Approvals

Approval details

| CSA (3) | http://www.csagroup.org/services-industries/product-listing/ 13631 | |
|--------------------|--|-------|
| | D | В |
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 28-14 | 28-14 |

| UL Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425 | |
|--------------------|--|-------|
| | D | В |
| Nominal voltage UN | 300 V | 125 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 30-14 | 30-14 |



Approvals

| SEV | SEV | https://www.electrosuisse.ch/en/meta/shop/product-certificates.html IK-4199 | | |
|--------------------|-----|---|-------|--|
| | | | | |
| Nominal voltage UN | | | 250 V | |
| Nominal current IN | | | 24 A | |
| mm²/AWG/kcmil | | | 2.5 | |

| cUL Recognized | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425 | |
|--------------------|--|-------|
| | D | В |
| Nominal voltage UN | 300 V | 125 V |
| Nominal current IN | 10 A | 10 A |
| mm²/AWG/kcmil | 30-14 | 30-14 |

| CCA | IK-3249 |
|--------------------|---------|
| | |
| Nominal voltage UN | 250 V |
| mm²/AWG/kcmil | 2.5 |

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

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

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

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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

Screwdriver - SZS 0,6X3,5 - 1205053



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

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