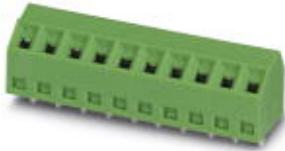


PCB terminal block - SMKDS 1/10-3,81 - 1728365

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PCB terminal block, nominal current: 10 A, pitch: 3.81 mm, number of positions: 10, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 35 °, color: green




The figure shows a 10-position version of the product

Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Angled connection enables multi-row arrangement on the PCB
- ✓ Extremely small design for the respective conductor cross section



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 025816 |
| GTIN | 4017918025816 |
| Weight per Piece (excluding packing) | 6.200 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 10 mm |
| Pitch | 3.81 mm |
| Dimension a | 34.29 mm |
| Width [w] | 38.09 mm |

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Technical data

Dimensions

| | |
|----------------|--------|
| Height | 9.5 mm |
| Height [h] | 13 mm |
| Solder pin [P] | 3.5 mm |
| Hole diameter | 1.1 mm |

General

| | |
|--|-------------------|
| Range of articles | SMKDS 1 |
| Insulating material group | I |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated voltage (III/3) | 160 V |
| Rated voltage (III/2) | 200 V |
| Rated voltage (II/2) | 400 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 10 A |
| Nominal cross section | 1 mm ² |
| Maximum load current | 12 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 5 mm |
| Number of positions | 10 |
| Screw thread | M2 |
| Tightening torque, min | 0.22 Nm |
| Tightening torque max | 0.25 Nm |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1 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. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 16 |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |

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Technical data

Connection data

| | |
|---|----------------------|
| 2 conductors with same cross section, solid max. | 0.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 0.2 mm ² |

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" |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.1 | 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 |

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 |

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Approvals


Approvals


Approvals


CSA / IECCEB CB Scheme / SEV / EAC / cULus Recognized


Ex Approvals

Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | | B | D |
| Nominal voltage UN | | 150 V | 300 V |
| Nominal current IN | | 10 A | 10 A |
| mm ² /AWG/kcmil | | 28-16 | 28-16 |

| | | | |
|----------------------------|---|---|---------|
| IECEE CB Scheme |  | http://www.iecee.org/ | CH-8225 |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 1.5 | |

| | | | |
|----------------------------|---|---|------------|
| SEV |  | https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html | IK-3542-M1 |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 12 A | |
| mm ² /AWG/kcmil | | 1.5 | |

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

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Approvals

| | | | |
|----------------------------|-------|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19770427 |
| | B | D | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 10 A | 10 A | |
| mm ² /AWG/kcmil | 30-16 | 30-16 | |

Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,81/2,8:FORTL.ZAHLEN - 0804109



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: 3.81 mm, lettering field size: 3.81 x 2.8 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 0,4X2,5 VDE - 1205037



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Terminal marking

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Accessories

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm

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