

PCB terminal block - SMKDS 1/ 8-3,5 - 1751154

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PCB terminal block, Nominal current: 10 A, Nom. voltage: 200 V, Pitch: 3.5 mm, Number of positions: 8, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 55 °, Color: green




The figure shows a 10-position version of the product

Why buy this product

- Conductor and screwdriver axis at an angle of 55° to the usual direction
- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 100 pc |
| GTIN |  4 017918 103750 |
| Weight per Piece (excluding packing) | 4.0 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------------------|--------------|
| Length | 10 mm |
| Pitch | 3.50 mm |
| Dimension a | 24.5 mm |
| Width | 28.5 mm |
| Constructional height | 9.5 mm |
| Height | 13 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 0,5 x 0,9 mm |
| Hole diameter | 1.1 mm |

General

| | |
|---------------------------|---------|
| Range of articles | SMKDS 1 |
| Insulating material group | I |

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Technical data

General

| | |
|--|-------------------|
| 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 |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 5 mm |
| Number of positions | 8 |
| 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 |
| 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 |

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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 |

ETIM

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

UNSPSC

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

Approvals

Approvals


Approvals

CSA / UL Recognized / SEV / cUL Recognized / CCA / IEC CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approvals submitted


Approval details

| | | | |
|---|--------------------------------|-------|-------|
| CSA  | B | D | |
| | mm ² /AWG/kcmil | 28-16 | 28-16 |
| | Nominal current I _N | 10 A | 10 A |

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Approvals


| | B | D |
|--------------------|-------|-------|
| Nominal voltage UN | 150 V | 300 V |

UL Recognized 

| | B | D |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 30-16 | 30-16 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

SEV

| | |
|--------------------------------|-------|
| mm ² /AWG/kcmil | 1.5 |
| Nominal current I _N | 12 A |
| Nominal voltage UN | 125 V |

cUL Recognized 

| | B | D |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 30-16 | 30-16 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

CCA

IECEE CB Scheme 

SEV

| | |
|--------------------------------|-------|
| mm ² /AWG/kcmil | 1.5 |
| Nominal current I _N | 12 A |
| Nominal voltage UN | 125 V |

EAC

cULus Recognized 

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Accessories

Accessories

Labeled terminal marker

Marker card - SK 3,5/2,8:FORTL.ZAHLEN - 0804073



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 3.5 mm, Lettering field: 3.5 x 2.8 mm

Screwdriver tools

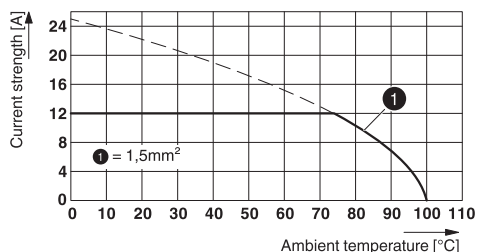
Screwdriver - SZS 0,4X2,5 VDE - 1205037



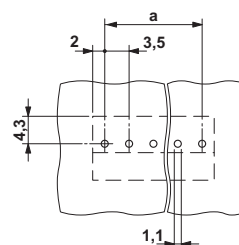
Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

Drawings

Diagram

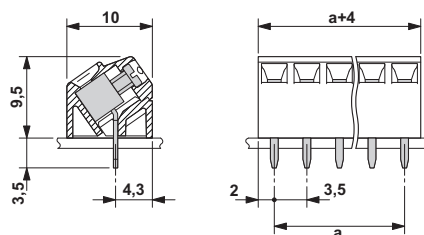


Drilling diagram



Type: SMKDS 1/5-3,5
 Tested according to DIN EN 60512-5-2:2003-01
 Reduction factor = 1
 Number of positions: 5

Dimensional drawing



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