

## PCB terminal block - SMKDSN 1,5/ 8 - 1869127

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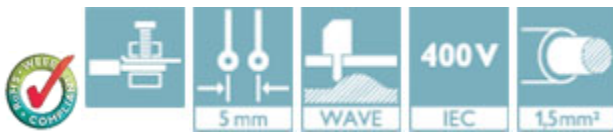
PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 8, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green




The figure shows a 10-position version of the product

### Product Features

- Arrangement of several rows of terminal blocks one behind the other – multi-level effect with the same design height
- Conductor cross sections up to 1.5 mm<sup>2</sup>
- Conductor and screwdriver axis at an angle of 55° to the usual direction
- PCB terminal blocks with compact housing dimensions and low design height



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 149093
Weight per Piece (excluding packing)	9.34 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	12 mm
Pitch	5.00 mm
Dimension a	35 mm
Constructional height	11 mm
Length of the solder pin	3.5 mm

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## Technical data

### Dimensions

Pin dimensions	0,5 x 1 mm
Hole diameter	1.3 mm

### General

Range of articles	SMKDSN 1,5
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 $I_N$	13.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	13.5 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A1
Stripping length	6 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.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
2 conductors with same cross section, solid min.	0.14 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.14 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>

### Standards and Regulations

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

## 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

### 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

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## Approvals

### Approvals

#### Approvals

CSA / SEV / CCA / IEC EE CB Scheme / SEV / EAC / EAC / cULus Recognized / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

CSA		
	B	D
mm <sup>2</sup> /AWG/kcmil	28-14	28-14
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	150 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current I <sub>N</sub>	13.5 A
Nominal voltage U <sub>N</sub>	250 V

CCA
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IECEE CB Scheme
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SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current I <sub>N</sub>	13.5 A

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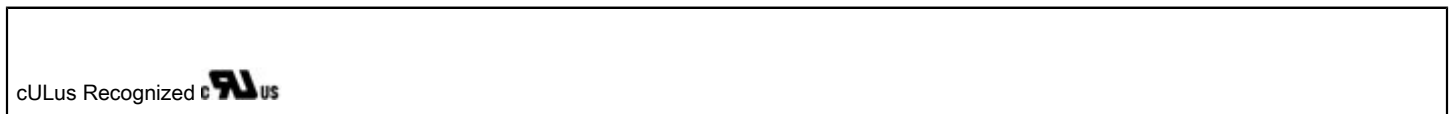
## Approvals

Nominal voltage UN	250 V
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EAC
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EAC
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cULus Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	30-14	30-14
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 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: 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

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## Accessories

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

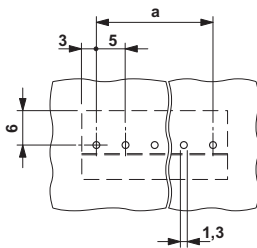
Marker card - SK 5/3,8:UNBEDRUCKT - 0805409



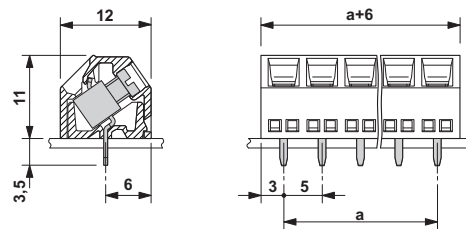
Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

## Drawings

Drilling diagram



Dimensional drawing



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