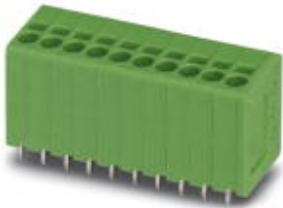


## PCB terminal block - SPT 1,5/ 2-V-3,5 - 1990850

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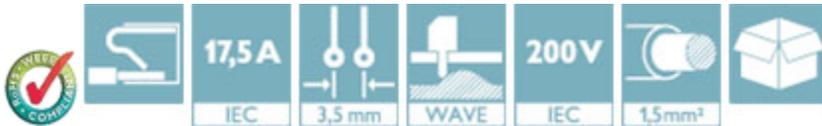


PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 200 V, Pitch: 3.5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green

The figure shows a 10-position version of the product

### Product Features

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- Operation and conductor connection from one direction enable integration into front of device
- Two solder pins reduce the mechanical strain on the soldering spots



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
Weight per Piece (excluding packing)	2.64 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length	13.5 mm
Pitch	3.50 mm
Dimension a	3.5 mm
Width	8.4 mm
Constructional height	14.4 mm
Height	16.9 mm

# PCB terminal block - SPT 1,5/ 2-V-3,5 - 1990850

## Technical data

### Dimensions

Length of the solder pin	2.5 mm
Pin dimensions	0,8 x 0,8 mm
Pin spacing	3.5 mm
Hole diameter	1.1 mm

### General

Range of articles	SPT 1,5/...-V
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 $I_N$	17.5 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	17.5 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	10 mm
Number of positions	2

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 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> Stripping length 8 mm
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup> Stripping length 8 mm
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup> Stripping length 8 mm
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm <sup>2</sup> Stripping length 8 mm
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

# PCB terminal block - SPT 1,5/ 2-V-3,5 - 1990850

## Technical data

### Standards and Regulations

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
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

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / CCA / IECCEB Scheme / SEV / EAC / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

# PCB terminal block - SPT 1,5/ 2-V-3,5 - 1990850

## Approvals

### Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-16	24-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	150 V	300 V

cUL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-16	24-16
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	150 V	300 V

CCA	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	130 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	130 V

SEV	
mm <sup>2</sup> /AWG/kcmil	1.5
Nominal current I <sub>N</sub>	17.5 A
Nominal voltage U <sub>N</sub>	130 V

## PCB terminal block - SPT 1,5/ 2-V-3,5 - 1990850

### Approvals

EAC

EAC

cULus Recognized 

### Accessories

#### Accessories

##### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

##### Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Pitch spacer - RZ-SPT 2,5-2,5 - 1772595



Accessories, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 1, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green

# PCB terminal block - SPT 1,5/ 2-V-3,5 - 1990850

## Accessories

Pitch spacer - RZ-SPT 2,5-5,0 - 1772605



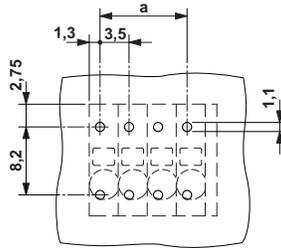
Accessories, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 1, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green

## Drawings

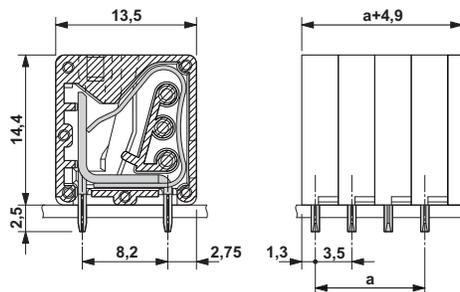
### Diagram

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

### Drilling diagram



### Dimensional drawing



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