

## PCB terminal block - SPT 2,5/ 7-V-5,0 - 1991147

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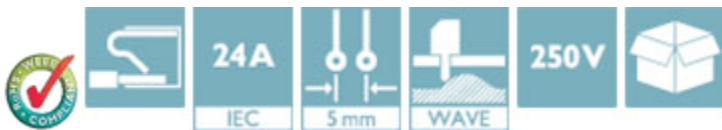
PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 7, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green



The figure shows a 10-position version of the product

### Product Features

- PCB terminal blocks with front spring-cage connection
- Two solder pins for a high level of stability on the PCB
- When connecting stranded conductors without ferrules, the terminal point is opened using a standard screwdriver
- Push-in direct plug-in technology for solid or stranded conductors with ferrules



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	9.26 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### Dimensions

Length	13.5 mm
Pitch	5.00 mm
Dimension a	30 mm
Width	36.4 mm
Constructional height	14.4 mm
Height	16.9 mm
Length of the solder pin	2.5 mm

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## Technical data

### Dimensions

Pin dimensions	0,8 x 0,8 mm
Pin spacing	5 mm
Hole diameter	1.1 mm

### General

Range of articles	SPT 2,5/...-V
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 $I_N$	24 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	24 A
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	10 mm
Number of positions	7

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 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.	2.5 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.	1.5 mm <sup>2</sup> Stripping length 8 mm
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

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## 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 / SEV / cUL Recognized / CCA / IECCE CB Scheme / EAC / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted


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## Approvals


### Approval details

UL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-12	24-12
Nominal current I <sub>N</sub>	20 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

SEV	
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized 		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-12	24-12
Nominal current I <sub>N</sub>	20 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

CCA	
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	250 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	2.5
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	250 V

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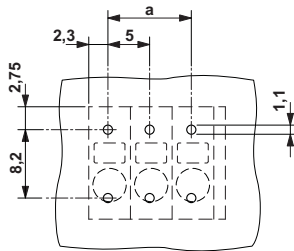
## Approvals

EAC

cULus Recognized US

## Drawings

Drilling diagram



Dimensional drawing

