

## PCB terminal block - SPT 5/12-V-7,5-ZB - 1719419

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PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 12, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green


The figure shows a 5-pos. version of the product

### Why buy this product

- Fast connection technology thanks to tool-free direct plug-in principle
- Conductor connection direction: vertical (90° -V) to the PCB
- Unlimited 600 V UL approval thanks to compact zigzag pinning
- Single-position terminal block bases with double pin
- SPT 5 Push-in spring-cage PCB terminal blocks for conductor cross sections up to 6 mm<sup>2</sup>, stranded



### Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 141512
Weight per Piece (excluding packing)	41.6 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Pitch	7.5 mm
Dimension a	82.5 mm
Pin dimensions	1,7 x 0,8
Pin spacing	14 mm
Hole diameter	2.1 mm

#### General

Range of articles	SPT 5/..-V
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## Technical data

### General

Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	800 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	41 A
Nominal cross section	6 mm <sup>2</sup>
Maximum load current	41 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Stripping length	15 mm
Number of positions	12

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	8
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>

## Classifications

### eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190

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## Classifications

### eCl@ss

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

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

#### Ex Approvals

#### Approvals submitted


### Approval details

UL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	36 A	36 A
Nominal voltage U <sub>N</sub>	600 V	600 V


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## Approvals

SEV	
mm <sup>2</sup> /AWG/kcmil	6
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	1000 V


cUL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	36 A	36 A
Nominal voltage U <sub>N</sub>	600 V	600 V

CCA	
mm <sup>2</sup> /AWG/kcmil	6
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	1000 V

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	6
Nominal current I <sub>N</sub>	41 A
Nominal voltage U <sub>N</sub>	1000 V

cUL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	36 A	36 A
Nominal voltage U <sub>N</sub>	600 V	600 V

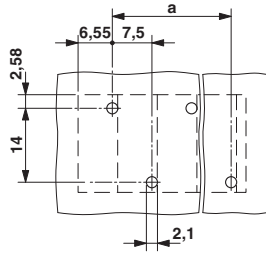
EAC
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cULus Recognized 
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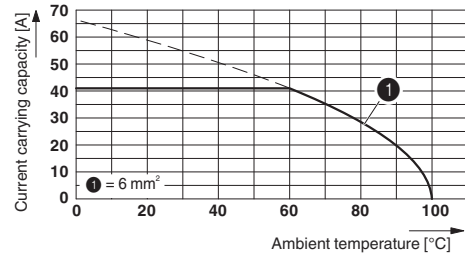
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## Drawings

Drilling diagram



Diagram



Type: SPT 5/...-V-7,5-ZB  
Test based on DIN EN 60512-5-2:2003-01  
Reduction factor = 1

Dimensioned drawing

