

## PCB terminal block - SPT 5/12-H-7,5-ZB - 1719299

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)

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: 0 °, Color: green



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

### Product Features

- Fast connection technology thanks to tool-free direct plug-in principle
- Conductor connection direction: horizontal (0° -H) to the PCB
- Unlimited 600 V UL approval thanks to compact zigzag pinning
- SPT 5 Push-in spring-cage PCB terminal blocks for conductor cross sections up to 6 mm<sup>2</sup>, stranded
- Single-position terminal block bases with double pin



### Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	45.97 GRM
Custom tariff number	85369010
Country of origin	Bulgaria

### Technical data

#### Dimensions

Pitch	7.5 mm
Dimension a	82.5 mm
Pin dimensions	1,7 x 0,8
Pin spacing	13.2 mm
Hole diameter	2.1 mm

#### General

Range of articles	SPT 5/...-H
-------------------	-------------

## PCB terminal block - SPT 5/12-H-7,5-ZB - 1719299

### 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 $I_N$	41 A
Nominal cross section	6 mm <sup>2</sup>
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>
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

### Classifications

eCl@ss

eCl@ss 4.0	27141109
------------	----------

## PCB terminal block - SPT 5/12-H-7,5-ZB - 1719299

### Classifications

#### eCl@ss

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

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

---

#### Ex Approvals

---


#### Approvals submitted

---


#### Approval details

# PCB terminal block - SPT 5/12-H-7,5-ZB - 1719299


## Approvals

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

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

# PCB terminal block - SPT 5/12-H-7,5-ZB - 1719299

## Approvals

GOST

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

cUL Recognized

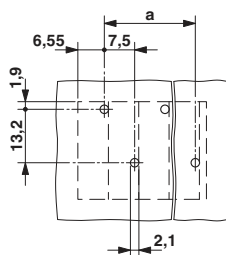
	B	C
mm <sup>2</sup> /AWG/kcmil	24-8	24-8
Nominal current I <sub>N</sub>	36 A	36 A
Nominal voltage U <sub>N</sub>	600 V	600 V

GOST

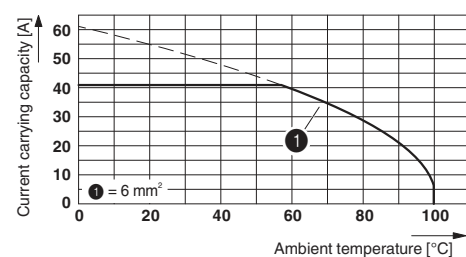
cULus Recognized

## Drawings

Drilling diagram



Diagram



# PCB terminal block - SPT 5/12-H-7,5-ZB - 1719299

Dimensioned drawing

