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PCB terminal block - SPT 5/10-V-7,5-ZB - 1719396

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

PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 10, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green

Product Features

- 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
- SPT 5 Push-in spring-cage PCB terminal blocks for conductor cross sections up to 6 mm², 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)	35.65 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Pitch	7.5 mm
Dimension a	67.5 mm
Pin dimensions	1,7 x 0,8
Pin spacing	14 mm
Hole diameter	2.1 mm

General

Range of articles	SPT 5/..-V

PCB terminal block - SPT 5/10-V-7,5-ZB - 1719396

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 mm²
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	10

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	6 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm²
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 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

PCB terminal block - SPT 5/10-V-7,5-ZB - 1719396

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

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 / IECEE CB Scheme / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

PCB terminal block - SPT 5/10-V-7,5-ZB - 1719396

Approvals

UL Recognized

	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	36 A	36 A
Nominal voltage UN	600 V	600 V

SEV

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	1000 V

cUL Recognized

	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	36 A	36 A
Nominal voltage UN	600 V	600 V

CCA

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	1000 V

IECEE CB Scheme

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	1000 V

PCB terminal block - SPT 5/10-V-7,5-ZB - 1719396

Approvals

GOST

UL Recognized

	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	36 A	36 A
Nominal voltage UN	600 V	600 V

cUL Recognized

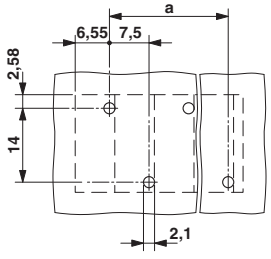
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current IN	36 A	36 A
Nominal voltage UN	600 V	600 V

GOST

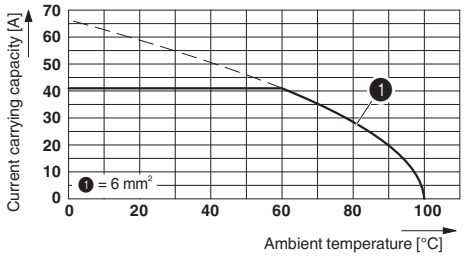
cULus Recognized

Drawings

Drilling diagram



Diagram



Type: SPT 5/...-V-7,5-ZB

PCB terminal block - SPT 5/10-V-7,5-ZB - 1719396

Test based on DIN EN 60512-5-2:2003-01
Reduction factor = 1

Dimensioned drawing