PCB terminal block - SPT 5/ 1-V-7,5 - 1719309

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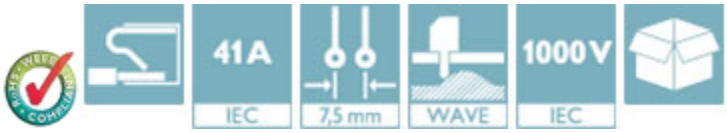
PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 1, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green

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)	4.99 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Pitch	7.50 mm
Dimension a	0 mm
Width	9.3 mm
Constructional height	14.4 mm
Height	19 mm
Length of the solder pin	4.6 mm
Pin dimensions	1,7 x 0,8 mm

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Technical data

Dimensions

Pin spacing	14 mm
Hole diameter	2.1 mm

General

Range of articles	SPT 5/..-V
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	630 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
Flammability rating according to UL 94	V0
Stripping length	15 mm
Number of positions	1

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG 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

Standards and Regulations

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Technical data

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

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

Approvals

UL Recognized / SEV / cUL Recognized / CCA / IECEE CB Scheme / EAC / EAC / cULus Recognized

Ex Approvals

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Approvals

Approvals submitted

Approval details

UL Recognized

	B	C	D
mm²/AWG/kcmil	24-8	24-8	24-8
Nominal current IN	36 A	36 A	5 A
Nominal voltage UN	300 V	150 V	600 V

SEV

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	450 V

cUL Recognized

	B	C	D
mm²/AWG/kcmil	24-8	24-8	24-8
Nominal current IN	36 A	36 A	5 A
Nominal voltage UN	300 V	150 V	600 V

CCA

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	450 V

IECEE CB Scheme

mm²/AWG/kcmil	6

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Approvals

Nominal current IN	41 A
Nominal voltage UN	450 V

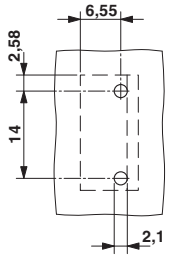
EAC

EAC

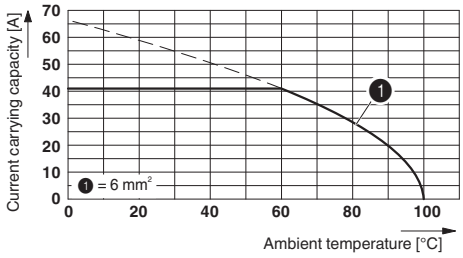
cULus Recognized

Drawings

Drilling diagram



Diagram



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

Dimensional drawing