

PCB terminal block - SPT 5/ 4-V-7,5-ZB - 1719338

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PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 4, 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 mm², stranded



Key commercial data

Packing unit	50 pc
GTIN	 4 046356 141437
Weight per Piece (excluding packing)	13.92 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Pitch	7.5 mm
Dimension a	22.5 mm
Pin dimensions	1,7 x 0,8
Pin spacing	14 mm
Hole diameter	2.1 mm

General

Range of articles	SPT 5/..-V
Insulating material group	I
Rated surge voltage (III/3)	8 kV

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Technical data

General

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 ²
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	4

Connection data

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

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

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UL Recognized / SEV / cUL Recognized / CCA / IECCE CB Scheme / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current I _N	36 A	36 A
Nominal voltage U _N	600 V	600 V

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Approvals

SEV	
mm²/AWG/kcmil	6
Nominal current I _N	41 A
Nominal voltage U _N	1000 V

cUL Recognized 		
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current I _N	36 A	36 A
Nominal voltage U _N	600 V	600 V

CCA	
mm²/AWG/kcmil	6
Nominal current I _N	41 A
Nominal voltage U _N	1000 V

IECEE CB Scheme 	
mm²/AWG/kcmil	6
Nominal current I _N	41 A
Nominal voltage U _N	1000 V

GOST 	
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UL Recognized 		
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current I _N	36 A	36 A
Nominal voltage U _N	600 V	600 V

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Approvals

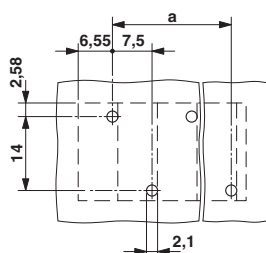
cUL Recognized 		
	B	C
mm²/AWG/kcmil	24-8	24-8
Nominal current I _N	36 A	36 A
Nominal voltage U _N	600 V	600 V

GOST 
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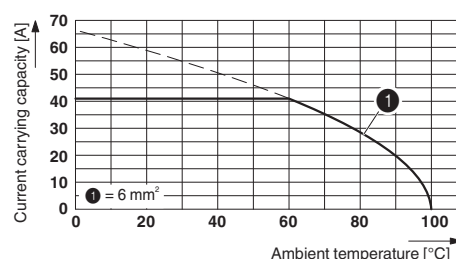
cULus Recognized 
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Drawings

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

