

<https://www.phoenixcontact.com/cn/products/1719312>

PCB terminal block - SPT 5/ 2-V-7,5-ZB - 1719312

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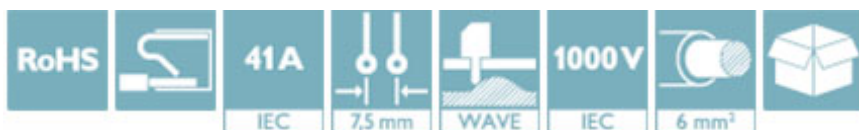


PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green

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

Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Vertical connection enables multi-row arrangement on the PCB



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 046356 141413
GTIN	4046356141413
Custom tariff number	8536901900
Sales Key	AABCAA

Technical data

Dimensions

Length	18.5 mm
Pitch	7.5 mm
Dimension a	7.5 mm
Width	16.8 mm
Constructional height	24.15 mm
Height	28.75 mm
Length of the solder pin	4.6 mm

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Technical data

Dimensions

Pin dimensions	1,7 x 0,8 mm
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
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
Flammability rating according to UL 94	V0
Stripping length	15 mm
Number of positions	2

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
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 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²

Standards and Regulations

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

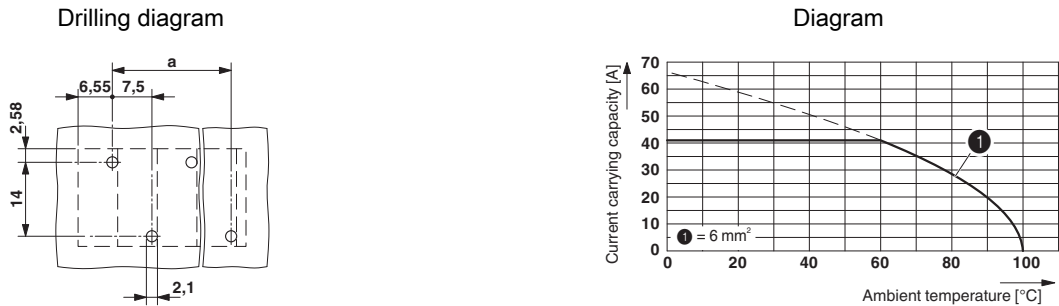
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Technical data

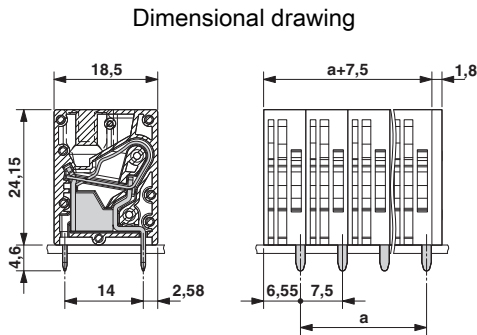
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings



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



Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	24-8	24-8	
Nominal current I _N	36 A	36 A	
Nominal voltage U _N	600 V	600 V	

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3150
mm ² /AWG/kcmil	6		
Nominal current I _N	41 A		
Nominal voltage U _N	1000 V		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	24-8	24-8	
Nominal current I _N	36 A	36 A	
Nominal voltage U _N	600 V	600 V	

CCA		IK-2956
mm ² /AWG/kcmil	6	
Nominal current I _N	41 A	
Nominal voltage U _N	1000 V	

IECEE CB Scheme		http://www.iecee.org/	CH-7429
mm ² /AWG/kcmil	6		
Nominal current I _N	41 A		
Nominal voltage U _N	1000 V		

EAC		B.01742
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Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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