

# PCB terminal block - SPTA 5/ 9-7,5-ZB - 1819150

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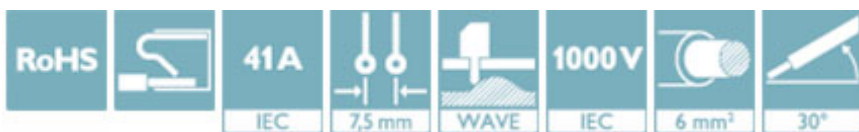


PCB terminal block, nominal current: 41 A, nom. voltage: 1000 V, pitch: 7.5 mm, number of positions: 9, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 30 °, color: green

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

## 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
- Angled connection enables multi-row arrangement on the PCB



## Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4046356787260

## Technical data

### Dimensions

Length [ l ]	29 mm
Pitch	7.5 mm
Dimension a	60 mm
Width [ w ]	69.3 mm
Constructional height	34 mm
Height [ h ]	38.6 mm
Solder pin [P]	4.6 mm
Pin dimensions	1,7 x 0,8
Pin spacing	14 mm
Hole diameter	2.1 mm

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## Technical data

### General

Range of articles	SPTA 5/
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
Flammability rating according to UL 94	V0
Stripping length	15 mm
Number of positions	9

### Connection data

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

### Standards and Regulations

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

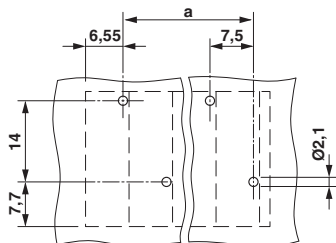
### Environmental Product Compliance

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

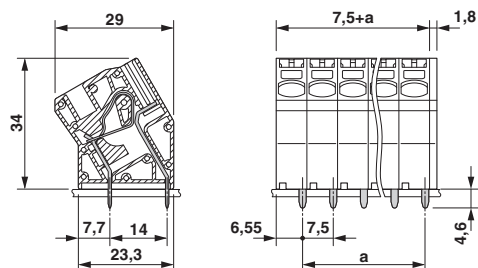
## Drawings

# PCB terminal block - SPTA 5/ 9-7,5-ZB - 1819150

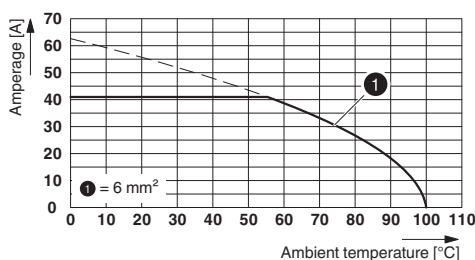
Drilling diagram



Dimensional drawing



Diagram



## Approvals

Approvals

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Approvals

cULus Recognized / EAC / VDE approval of drawings

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Ex Approvals

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## Approval details

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	E60425-20061129
	B	C	
mm²/AWG/kcmil	24-8	24-8	
Nominal current I <sub>N</sub>	33 A	33 A	
Nominal voltage U <sub>N</sub>	600 V	600 V	

EAC		B.01742
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## PCB terminal block - SPTA 5/ 9-7,5-ZB - 1819150

### Approvals

VDE approval of drawings		40041641
mm <sup>2</sup> /AWG/kcmil		0.2-6
Nominal current I <sub>N</sub>		41 A
Nominal voltage U <sub>N</sub>		1000 V

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