

## PCB terminal block - SPTA 5/ 8-7,5-ZB - 1819147

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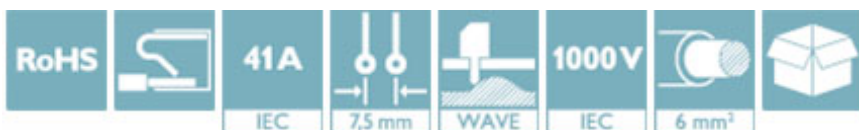


PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 8, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 30 °, Color: green


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	 4 046356 787253
GTIN	4046356787253
Weight per Piece (excluding packing)	42.260 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Pitch	7.5 mm
Dimension a	52.5 mm
Length of the solder pin	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	8

### 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

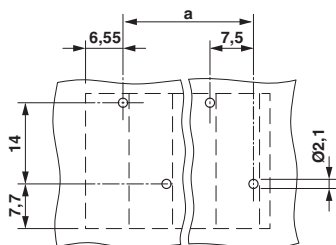
### Environmental Product Compliance

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

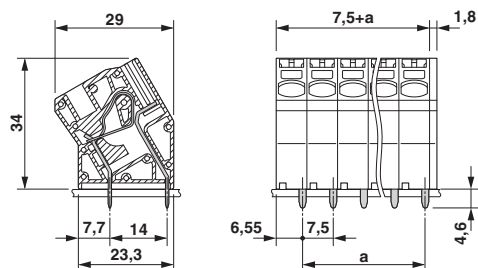
## Drawings

# PCB terminal block - SPTA 5/ 8-7,5-ZB - 1819147

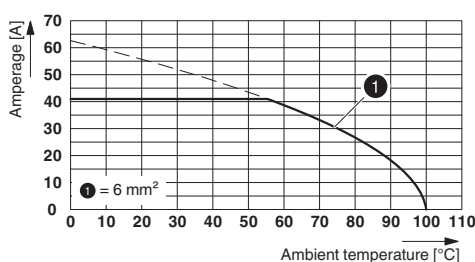
Drilling diagram



Dimensional drawing



Diagram



## Classifications

### eCl@ss

eCl@ss 4.0	27141111
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
ETIM 6.0	EC002643

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

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## Approvals

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cULus Recognized / EAC / VDE approval of drawings

#### Ex Approvals

### Approval details

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20061129
	B	C	
mm <sup>2</sup> /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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VDE approval of drawings		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	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		

## Accessories

### Accessories

#### Bridge

Plug-in bridge - FBSK 2-7,5 - 1928343



Bridge, fully insulated, pitch 7.5 mm, 2-pos.

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### Accessories

Plug-in bridge - FBSK 3-7,5 - 1928356



Bridge, fully insulated, pitch 7.5 mm, 3-pos.

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Plug-in bridge - FBSK 4-7,5 - 1928369



Bridge, fully insulated, pitch 7.5 mm, 4-pos.

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Plug-in bridge - FBSK 5-7,5 - 1928372



Bridge, fully insulated, pitch 7.5 mm, 5-pos.

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### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

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### Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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