

# PCB terminal block - SPTA 5/ 2-7,5-ZB - 1819082

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

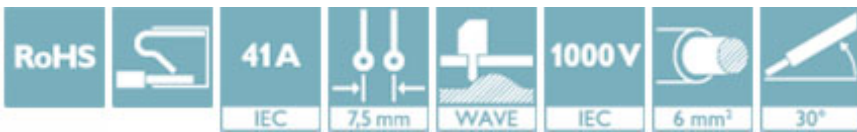


PCB terminal block, nominal current: 41 A, nom. voltage: 1000 V, pitch: 7.5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 30 °, color: green

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	4046356787192

## Technical data

### Item properties

Brief article description	PCB terminal block
Range of articles	SPTA 5/
Pitch	7.5 mm
Number of positions	2
Connection method	Push-in spring connection
Mounting type	Wave soldering
Pin layout	linear double pinning
Number of levels	1

### Electrical parameters

Rated current	41 A
---------------	------

# PCB terminal block - SPTA 5/ 2-7,5-ZB - 1819082

## Technical data

### Electrical parameters

Rated insulation voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV

### Connection capacity

Conductor cross section solid	0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section AWG / kcmil	24 ... 8
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Stripping length	15 mm

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy

### Material data - housing

Housing color	green (6021)
---------------	--------------

### Dimensions for the product

Length [ l ]	29 mm
Width [ w ]	16.8 mm
Height [ h ]	38.6 mm
Pitch	7.5 mm
Height (without solder pin)	34 mm
Solder pin [P]	4.6 mm
Dimension a	7.5 mm
Pin spacing	14 mm

### Dimensions for PCB design

Hole diameter	2.1 mm
Pin spacing	14 mm

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

### Electrical tests

Rated current	41 A
Rated insulation voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV

### Air clearances and creepage distances

# PCB terminal block - SPTA 5/ 2-7,5-ZB - 1819082

## Technical data

### Air clearances and creepage distances

Insulating material group	I
Voltage	800 V
Rated insulation voltage (III/3)	800 V
Rated insulation voltage (III/2)	1000 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV

### Current carrying capacity / derating curves

### Standards and Regulations

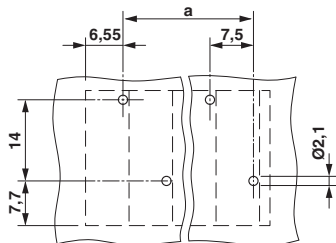
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

### Environmental Product Compliance

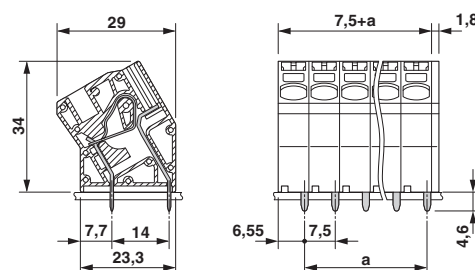
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

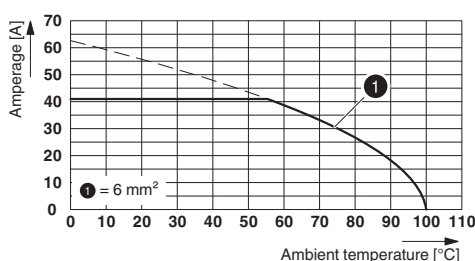
Drilling diagram



Dimensional drawing



Diagram



Type: SPTA 5/...-7,5  
 Tested according to DIN EN 60512-5-2:2003-01  
 Reduction factor = 1  
 Number of positions: 4

# PCB terminal block - SPTA 5/ 2-7,5-ZB - 1819082

## Approvals


### Approvals


#### Approvals


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
---	---------

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

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>