

# PCB terminal block - SPTAF 1/ 5-3,5-EL-EX - 1071002

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PCB terminal block, nominal current: 16 A, nominal cross section: 1.5 mm<sup>2</sup>, Number of rows: 1, Number of positions per row: 5, product range: SPTAF 1/..-EL-EX, pitch: 3.5 mm, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 2.6 mm, type of packaging: Tray



The figure shows 10-pos. standard item (without EX marking)

## Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Finger-operated release button for very convenient operation
- ✓ Small component size for applications where space is at a premium
- ✓ Satisfies the more stringent safety requirements of "Ex eb" protection according to IEC 60079-7 for potentially explosive areas
- ✓ Quick and convenient testing using integrated test option



## Key Commercial Data

Packing unit	90 pc
Minimum order quantity	90 pc
GTIN	
GTIN	4063151100698

## Technical data

### Item properties

Brief article description	PCB terminal block
Range of articles	SPTAF 1/..-EL-EX
Pitch	3.5 mm
Number of positions	5
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1

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## Technical data

### Electrical parameters

Nominal current	16 A
Nom. voltage	44 V

### Connection capacity

Connection method	Push-in spring connection
Conductor cross section solid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (When connecting and possibly adjusting a solid conductor of 1.5 mm <sup>2</sup> , the mechanical lateral forces, which can affect the terminal block, have to be absorbed by lateral support.)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG / kcmil	24 ... 16
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Stripping length	8 mm

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (2 - 4 µm Sn)
Metal surface soldering area (top layer)	Tin (2 - 4 µm Sn)

### Material data - housing

Housing color	green (6021)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

### Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [ l ]	11 mm
Width [ w ]	19 mm
Height [ h ]	12.8 mm
Pitch	3.5 mm
Height (without solder pin)	10.2 mm
Solder pin [P]	2.6 mm
Pin dimensions	0.75 x 0.3 mm

### Dimensions for PCB design

Hole diameter	1.1 mm
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### Packaging information

Type of packaging	Tray
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## Technical data

### Packaging information

Pieces per package	90
Denomination packing units	Pcs.

### General product information

Type of note	Note on application
	Note on Ex protection
	Note on Ex protection
Note	Maximum permissible outer diameter of the wire insulation $\leq 3$ mm
	Certificate of conformity and EX certificate available upon request
	Further information is to be found in the installation notes.

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C

### Electrical tests

Rated current	16 A
Conductor cross section	1.5 mm <sup>2</sup>

### Air clearances and creepage distances

## Classifications

### eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 11.0	27460101
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

### ETIM

ETIM 5.0	EC002643
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## Accessories

### Accessories

#### Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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