

## PCB terminal block - SPTAF 1/7-5,0-EL-EX - 1071051

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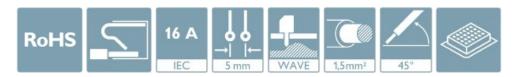
PCB terminal block, nominal current: 16 A, nominal cross section: 1.5 mm<sup>2</sup>, Number of rows: 1, Number of positions per row: 7, product range: SPTAF 1/..-EL-EX, pitch: 5 mm, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear double 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	70 рс
Minimum order quantity	70 pc
GTIN	4 063151 100933
GTIN	4063151100933

## Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	SPTAF 1/EL-EX
Pitch	5 mm
Number of positions	7
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1



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## Technical data

## Electrical parameters

Nominal current	16 A
Nom. voltage	137 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 mm² 1.5 mm²
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	РА
Insulating material group	1
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 [1]	11 mm
Width [ w ]	35 mm
Height [ h ]	12.8 mm
Pitch	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
Packaging information	
Type of packaging	Тгау



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## Technical data

## Packaging information

Pieces per package	70
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

### Standards and Regulations

Flammability rating according to UL 94	VO

## 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



## PCB terminal block - SPTAF 1/ 7-5,0-EL-EX - 1071051

## Accessories

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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