

## PCB terminal block - SPTAF 1/ 2-5,0-IL - 1862275

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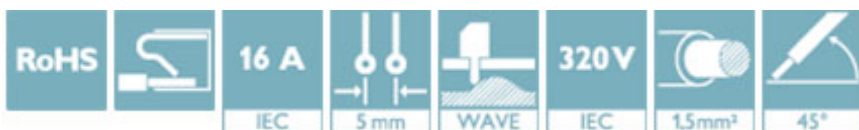
PCB terminal block, nominal current: 16 A, nom. voltage: 320 V, pitch: 5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green



The figure shows a 10-position 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
- Intuitive use through colour coded actuation lever
- Small component size for applications where space is at a premium
- Quick and convenient testing using integrated test option



### Key Commercial Data

Packing unit	180 STK
GTIN	
GTIN	4055626137599
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Item properties

Brief article description	PCB terminal block
Range of articles	SPTAF 1/..-IL
Pitch	5 mm
Number of positions	2
Connection method	Push-in spring connection
Mounting type	Wave soldering

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## Technical data

### Item properties

Pin layout	Linear double pinning
Number of levels	1

### Electrical parameters

Rated current	16 A
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV

### Connection capacity

Conductor cross section solid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
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)
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### Dimensions for the product

Length [ l ]	11 mm
Width [ w ]	10 mm
Height [ h ]	10.6 mm
Pitch	5 mm
Height (without solder pin)	8 mm
Solder pin [P]	2.6 mm
Dimension a	5 mm
Pin spacing	5 mm

### Dimensions for PCB design

Hole diameter	1.1 mm
Pin spacing	5 mm

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	180
Denomination packing units	Pcs.

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## Technical data

### Processing notes

Process	Wave soldering
Specification	Following IEC 61760-1:2006-04
	Following IEC 60068-2-54:2006-04

### Ambient conditions

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

### Electrical tests

Rated current	16 A
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV

### Air clearances and creepage distances

Insulating material group	I
Comparative tracking index (IEC 60112:2003-01)	CTI 600
Voltage	250 V
Rated insulation voltage (III/3)	250 V
Rated insulation voltage (III/2)	320 V
Rated insulation voltage (II/2)	630 V
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Minimum clearance - inhomogeneous field (III/3)	3 mm
Minimum clearance - inhomogeneous field (III/2)	3 mm
Minimum clearance - inhomogeneous field (II/2)	3 mm
Minimum creepage distance value (III/3)	3.2 mm
Minimum creepage distance value (III/2)	3 mm
Minimum creepage distance value (II/2)	3.2 mm

### Current carrying capacity / derating curves

### Standards and Regulations

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

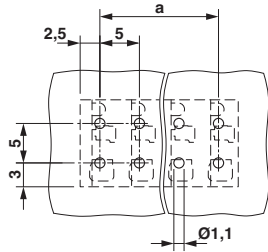
### Environmental Product Compliance

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

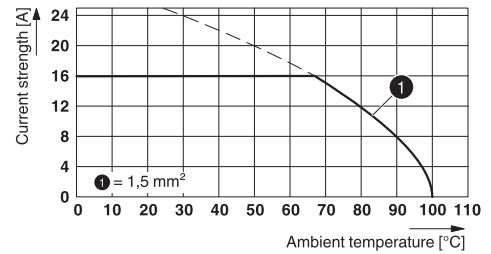
## Drawings

# PCB terminal block - SPTAF 1/ 2-5,0-IL - 1862275

Drilling diagram

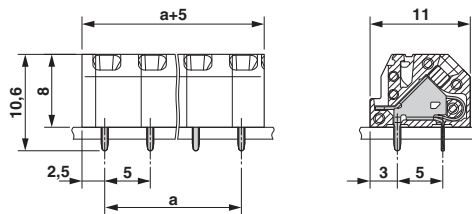


Diagram



Type: SPTAF 1/...-5,0-IL(EL)

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 5.1	27260705
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 5.0	EC002643
ETIM 6.0	EC002643

UNSPSC

UNSPSC 13.2	39121432
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## Approvals

Approvals

Approvals

cULus Recognized / VDE approval of drawings / IECCE CB Scheme

Ex Approvals

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## 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	D	
mm <sup>2</sup> /AWG/kcmil	24-16	24-16	
Nominal current IN	8 A	8 A	
Nominal voltage UN	300 V	300 V	

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>	40047107
mm <sup>2</sup> /AWG/kcmil	0.2-1.5		
Nominal current IN	16 A		
Nominal voltage UN	320 V		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-59461
mm <sup>2</sup> /AWG/kcmil	0.2-1.5		
Nominal current IN	16 A		
Nominal voltage UN	320 V		

## 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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### Accessories

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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