

## PCB terminal block - SPTAF 1/13-5,0-IL - 1862385

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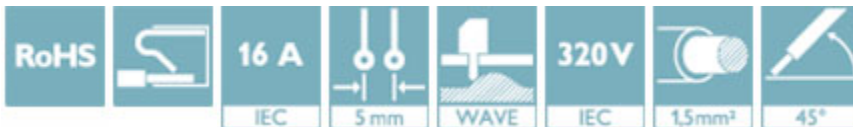
PCB terminal block, nominal current: 16 A, nom. voltage: 320 V, pitch: 5 mm, number of positions: 13, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green



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                         | 1 STK           |
| Minimum order quantity               | 50 STK          |
| GTIN                                 | 4 055626 137704 |
| GTIN                                 | 4055626137704   |
| Weight per Piece (excluding packing) | 7.600 g         |
| Custom tariff number                 | 85369010        |
| Country of origin                    | Germany         |

### Technical data

#### Dimensions

|              |       |
|--------------|-------|
| Length [ l ] | 11 mm |
| Pitch        | 5 mm  |
| Dimension a  | 60 mm |

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### Technical data

#### Dimensions

|                       |            |
|-----------------------|------------|
| Width [ w ]           | 65 mm      |
| Constructional height | 8 mm       |
| Height [ h ]          | 10.6 mm    |
| Solder pin [P]        | 2.6 mm     |
| Pin dimensions        | 0,75 x 0,3 |
| Pin spacing           | 5 mm       |
| Hole diameter         | 1.1 mm     |

#### General

|  |                     |
|--|---------------------|
| Range of articles                      | SPTAF 1/..-IL       |
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 4 kV                |
| Rated surge voltage (III/2)            | 4 kV                |
| Rated surge voltage (II/2)             | 4 kV                |
| Rated voltage (III/3)                  | 250 V               |
| Rated voltage (III/2)                  | 320 V               |
| Rated voltage (II/2)                   | 630 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 16 A                |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 16 A                |
| Insulating material                    | PA                  |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 8 mm                |
| Number of positions                    | 13                  |

#### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 1.5 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. | 0.75 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.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.   | 24                   |
| Conductor cross section AWG max.   | 16                   |

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## Technical data

### Standards and Regulations

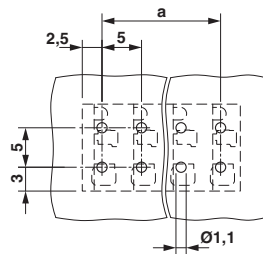
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

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

## Drawings

Drilling diagram



## 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 |
|-------------|----------|

## Approvals

Approvals

Approvals

cULus Recognized

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## Approvals

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     | D   |                 |
| mm <sup>2</sup> /AWG/kcmil     | 24-16 | 24-16   |                 |
| Nominal current I <sub>N</sub> | 8 A   | 8 A   |                 |
| Nominal voltage U <sub>N</sub> | 300 V | 300 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

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