

## PCB terminal block - SPTAF 1/13-3,5-IL - 1862194

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PCB terminal block, Nominal current: 16 A, Nom. voltage: 160 V, Pitch: 3.5 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                         | 50 STK  |
| Minimum order quantity               | 50 STK  |
| GTIN                                 | <br>4 055626 137377 |
| GTIN                                 | 4055626137377   |
| Weight per Piece (excluding packing) | 6.500 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|                       |          |
|-----------------------|----------|
| Length                | 1 mm     |
| Pitch                 | 3.5 mm   |
| Dimension a           | 42.00 mm |
| Width                 | 47.00 mm |
| Constructional height | 8 mm     |

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## Technical data

### Dimensions

|                          |               |
|--------------------------|---------------|
| Height                   | 10.6 mm       |
| Length of the solder pin | 2.6 mm        |
| Pin dimensions           | 0,75 x 0,3 mm |
| Pin spacing              | 5.00 mm       |
| Hole diameter            | 1.1 mm        |

### General

|  |                     |
|--|---------------------|
| Range of articles                      | SPTAF 1/...-IL      |
| Insulating material group              | I                   |
| Rated surge voltage (III/3)            | 2.5 kV              |
| Rated surge voltage (III/2)            | 2.5 kV              |
| Rated surge voltage (II/2)             | 2.5 kV              |
| Rated voltage (III/3)                  | 160 V               |
| Rated voltage (III/2)                  | 160 V               |
| Rated voltage (II/2)                   | 320 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                   |

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

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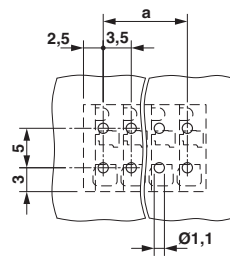
## Technical data

### Environmental Product Compliance

|  |  |
|--|--|
|  | No hazardous substances above threshold values |
|--|--|

## Drawings

Drilling diagram



## Approvals

### Approvals

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### Approvals

cULus Recognized

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### Ex Approvals

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## 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   |                 |

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