

## PCB terminal block - SPTAF 1/ 6-3,5-IL - 1861975

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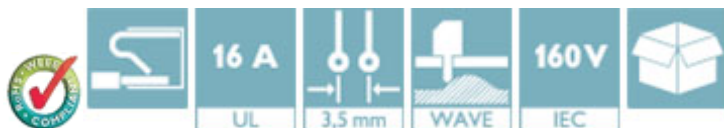
PCB terminal block, Nominal current: 16 A, Nom. voltage: 160 V, Pitch: 3.5 mm, Number of positions: 6, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green




The figure shows a 10-position version of the product

### Why buy this product

- User-friendly and quick conductor connection using Push-in direct plug-in technology
- Arrangement over several rows possible for high packing densities
- Easy operation when releasing the conductor via the orange actuating lever
- 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                         | 65 pc   |
| Minimum order quantity               | 65 pc   |
| GTIN                                 | <br>4 055626 135014 |
| Weight per Piece (excluding packing) | 2.22 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |
| Product key                          | AAABBA  |
| Note                                 | Made to Order (non-returnable)  |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Length | 1 mm    |
| Pitch  | 3.50 mm |

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## Technical data

### Dimensions

|                          |               |
|--------------------------|---------------|
| Dimension a              | 17.5 mm       |
| Width                    | 2.5 mm        |
| Constructional height    | 8 mm          |
| Height                   | 10.6 mm       |
| Length of the solder pin | 2.6 mm        |
| Pin dimensions           | 0,75 x 0,3 mm |
| Pin spacing              | 5 mm          |
| Hole diameter            | 1.1 mm        |

### General

|  |                   |
|--|-------------------|
| 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 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                    | 6                 |

### 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     |

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## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC002643 |
|----------|----------|

## Accessories

Accessories

Screwdriver tools

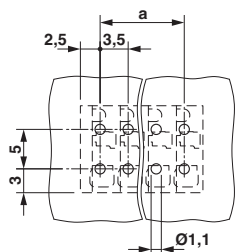
Screwdriver - SZF 0-0,4X2,5 - 1204504



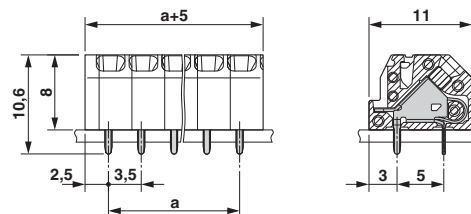
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

## Drawings

Drilling diagram



Dimensional drawing



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