

## PCB terminal block - PTSA 0,5/19-2,5-F - 1989913

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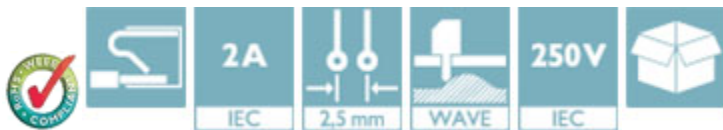


PCB terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 19, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 45 °, Color: green, Soldering legs in front area, one-rowed

The figure shows a 10-position version of the product

### Product Features

- Compact design with easy actuation and direct plug-in technology



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 8.0 g    |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Poland   |

### Technical data

#### Dimensions

|                          |               |
|--------------------------|---------------|
| Length                   | 12 mm         |
| Pitch                    | 2.50 mm       |
| Dimension a              | 45 mm         |
| Width                    | 49 mm         |
| Constructional height    | 13.1 mm       |
| Height                   | 16.7 mm       |
| Length of the solder pin | 3.6 mm        |
| Pin dimensions           | 0,4 x 0,75 mm |
| Pin spacing              | 2.5 mm        |
| Hole diameter            | 1 mm          |

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### Technical data

#### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | PTSA 0,5            |
| 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)            | 63 V                |
| Rated voltage (III/2)            | 250 V               |
| Rated voltage (II/2)             | 250 V               |
| Connection in acc. with standard | EN-VDE              |
| Nominal current $I_N$            | 2 A                 |
| Nominal cross section            | 0.5 mm <sup>2</sup> |
| Maximum load current             | 2 A                 |
| Insulating material              | PA                  |
| Solder pin surface               | Sn                  |
| Stripping length                 | 9 mm                |
| Number of positions              | 19                  |

#### Connection data

|                                       |                      |
|---------------------------------------|----------------------|
| Conductor cross section solid min.    | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.      | 24                   |
| Conductor cross section AWG max.      | 20                   |

#### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CUL    |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

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### Classifications

eCl@ss

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

ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 34131203 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

### Approvals

Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | D     |
| mm²/AWG/kcmil                                                                                     | 26-20 | 26-20 |
| Nominal current I <sub>N</sub>                                                                    | 2 A   | 2 A   |
| Nominal voltage U <sub>N</sub>                                                                    | 150 V | 300 V |

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### Approvals

|                                                                                                                           |       |
|---------------------------------------------------------------------------------------------------------------------------|-------|
| VDE Gutachten mit Fertigungsüberwachung  |       |
| mm²/AWG/kcmil                                                                                                             | 0.5   |
| Nominal current I <sub>N</sub>                                                                                            | 2 A   |
| Nominal voltage U <sub>N</sub>                                                                                            | 130 V |

|                                                                                                  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                  | B     | D     |
| mm²/AWG/kcmil                                                                                    | 26-20 | 26-20 |
| Nominal current I <sub>N</sub>                                                                   | 2 A   | 2 A   |
| Nominal voltage U <sub>N</sub>                                                                   | 150 V | 300 V |

|                                |     |
|--------------------------------|-----|
| CCA                            |     |
| mm²/AWG/kcmil                  | 0.5 |
| Nominal current I <sub>N</sub> | 2 A |

|     |
|-----|
| EAC |
|-----|

|     |
|-----|
| EAC |
|-----|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

### Accessories

Accessories

Screwdriver tools

# PCB terminal block - PTSA 0,5/19-2,5-F - 1989913

## Accessories

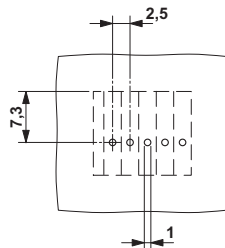
Screwdriver - SZF 0-0,4X2,5 - 1204504



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

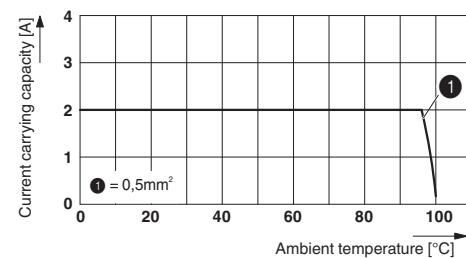
## Drawings

Drilling diagram



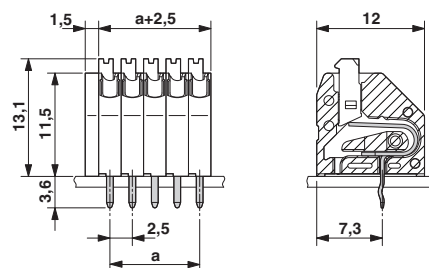
The illustration shows the 5-pos. version

Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensional drawing



The illustration shows the 5-pos. version

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