

## PCB terminal block - PT 1,5/12-5,0-V - 1935417

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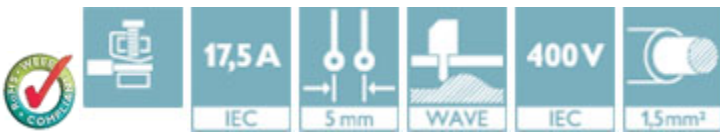
PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 12, Connection method: Screw connection with wire protector, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green, Also possible: Connection of a 1.5 mm<sup>2</sup> conductor with ferrule, then however with reduction in rated voltage or degree of pollution / surge category.



The figure shows a 10-position version of the product

### Product Features

- Large terminal block capacity thanks to rectangular clamping space
- Rugged version with high current carrying capacity
- Highly flexible conductor protection for easy, repeated connection
- Plus/minus screw



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 11.96 g  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                          |         |
|--------------------------|---------|
| Length                   | 11.3 mm |
| Pitch                    | 5.00 mm |
| Dimension a              | 55 mm   |
| Constructional height    | 9 mm    |
| Height                   | 9 mm    |
| Length of the solder pin | 3.5 mm  |
| Pin dimensions           | 1,0 mm  |

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## Technical data

### Dimensions

|               |        |
|---------------|--------|
| Pin spacing   | 5 mm   |
| Hole diameter | 1.3 mm |

### General

|  |                     |
|--|---------------------|
| Range of articles                      | PT 1,5/..-V         |
| 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)                  | 400 V               |
| Rated voltage (II/2)                   | 630 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 17.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 17.5 A              |
| Insulating material                    | PA                  |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 5 mm                |
| Number of positions                    | 12                  |
| Screw thread                           | M2,6                |
| Tightening torque, min                 | 0.35 Nm             |
| Tightening torque max                  | 0.4 Nm              |

### Connection data

|  |                      |
|--|----------------------|
| Conductor cross section solid min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                      | 2.5 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. | 1.5 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.    | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26                   |
| Conductor cross section AWG max.   | 14                   |
| 2 conductors with same cross section, solid min.                           | 0.2 mm <sup>2</sup>  |

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## Technical data

### Connection data

|   |                      |
|---|----------------------|
| 2 conductors with same cross section, solid max.  | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 0.34 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.75 mm <sup>2</sup> |

### Standards and Regulations

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

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27141109 |
| 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 |
| 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 |

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## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / CCA / VDE Gutachten mit Fertigungsüberwachung / CCA / IEC60335 CB Scheme / EAC / SEV / EAC / cULus Recognized

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#### Ex Approvals


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#### Approvals submitted

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## Approval details


|  |       |       |
|--|-------|-------|
| UL Recognized  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 26-12 | 26-12 |
| Nominal current I <sub>N</sub>   | 18 A  | 10 A  |
| Nominal voltage U <sub>N</sub>   | 300 V | 300 V |

|  |       |       |
|--|-------|-------|
| cUL Recognized  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 26-12 | 26-12 |
| Nominal current I <sub>N</sub>   | 18 A  | 10 A  |
| Nominal voltage U <sub>N</sub>   | 300 V | 300 V |


|                                |       |
|--------------------------------|-------|
| CCA                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 2.5   |
| Nominal current I <sub>N</sub> | 16 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

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## Approvals

|   |         |
|---|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm <sup>2</sup> /AWG/kcmil  | 0.2-2.5 |
| Nominal current I <sub>N</sub>  | 24 A    |
| Nominal voltage U <sub>N</sub>  | 250 V   |


|                                |         |
|--------------------------------|---------|
| CCA                            |         |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |
| Nominal current I <sub>N</sub> | 24 A    |
| Nominal voltage U <sub>N</sub> | 250 V   |

|  |         |
|--|---------|
| IECEE CB Scheme  |         |
| mm <sup>2</sup> /AWG/kcmil   | 0.2-2.5 |
| Nominal current I <sub>N</sub>   | 24 A    |
| Nominal voltage U <sub>N</sub>   | 250 V   |

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

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 2.5   |
| Nominal current I <sub>N</sub> | 16 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

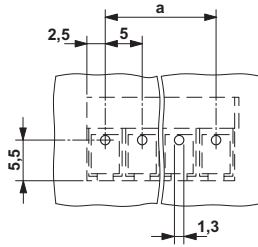
|     |
|-----|
| EAC |
|-----|

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

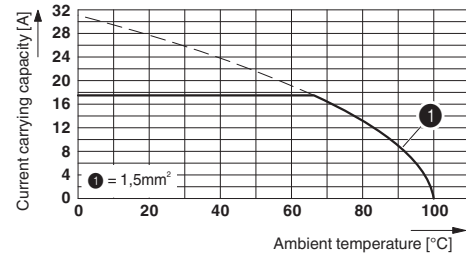
## Drawings

# PCB terminal block - PT 1,5/12-5,0-V - 1935417

Drilling diagram



Diagram



Derating diagram for 5 pins;reduction factor=1

Dimensional drawing

