

## PCB terminal block - PT 1,5/ 6-5,0-H - 1935200

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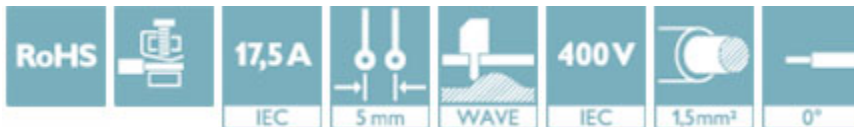
PCB terminal block, nominal current: 17.5 A, pitch: 5 mm, number of positions: 6, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green




The figure shows a 10-position version of the product

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ High terminal block capacity thanks to rectangular terminal block space
- ✓ Allows connection of two conductors
- ✓ The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| Minimum order quantity               | 100 pc  |
| GTIN                                 | <br>4 017918 916978 |
| GTIN                                 | 4017918916978   |
| Weight per Piece (excluding packing) | 6.000 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | China   |

### Technical data

#### Dimensions

|              |       |
|--------------|-------|
| Length [ l ] | 9 mm  |
| Pitch        | 5 mm  |
| Dimension a  | 25 mm |

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## Technical data

### Dimensions

|                |         |
|----------------|---------|
| Width [ w ]    | 30 mm   |
| Height         | 11.4 mm |
| Height [ h ]   | 14.9 mm |
| Solder pin [P] | 3.5 mm  |
| Pin spacing    | 5 mm    |
| Hole diameter  | 1.3 mm  |

### General

|  |                     |
|--|---------------------|
| Range of articles                      | PT 1,5/..-H         |
| 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                  |
| Flammability rating according to UL 94 | V0                  |
| Internal cylindrical gage              | A1                  |
| Stripping length                       | 5 mm                |
| Number of positions                    | 6                   |
| 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>  |

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### Technical data

#### Connection data

|   |   |
|---|---|
| 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>   |
| 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> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |
| 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> The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |

#### Standards and Regulations

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

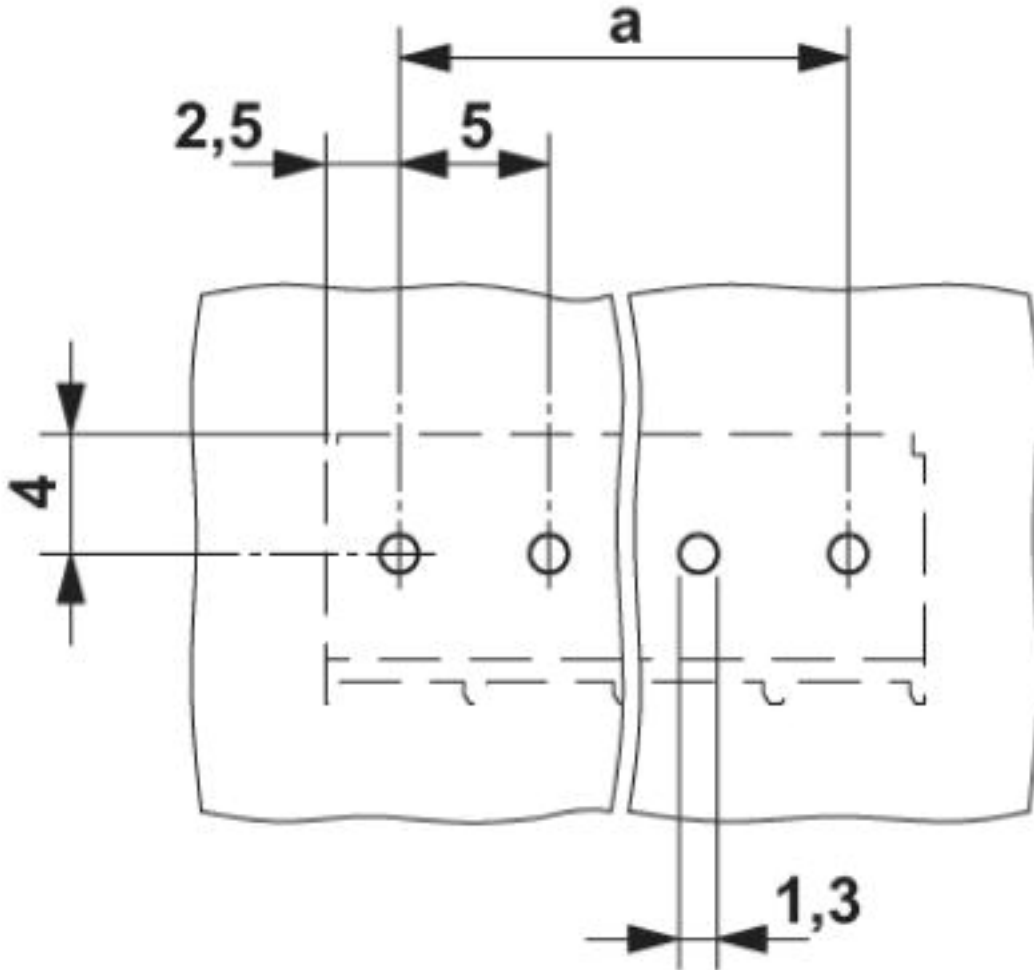
#### Environmental Product Compliance

|            |   |
|------------|---|
|            | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

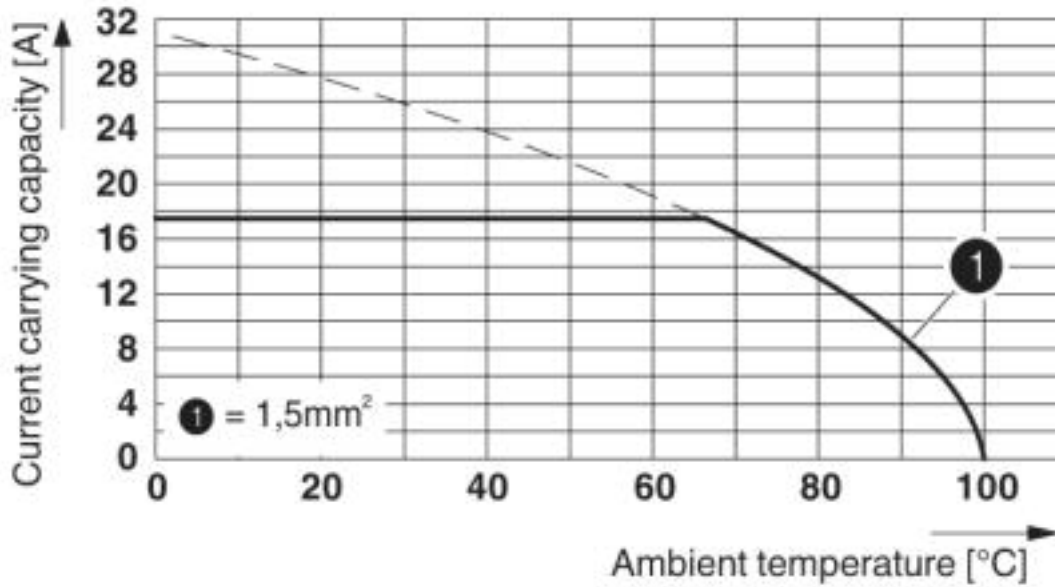
# PCB terminal block - PT 1,5/ 6-5,0-H - 1935200

Drilling diagram



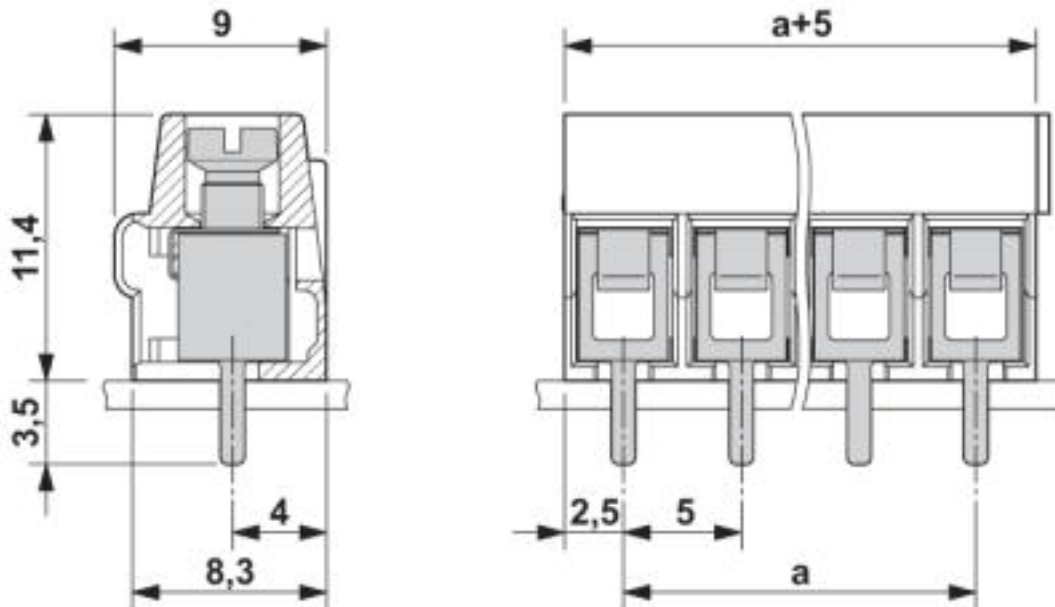
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Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensional drawing



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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27141100 |
| eCl@ss 5.0 | 27141100 |
| eCl@ss 5.1 | 27261100 |
| eCl@ss 6.0 | 27261100 |
| 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 |
| ETIM 6.0 | EC002643 |
| ETIM 7.0 | EC002643 |

#### UNSPSC

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

### Approvals

#### Approvals

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#### Approvals

IECEE CB Scheme / SEV / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized / CCA

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#### Ex Approvals


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#### Approval details


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## Approvals

|                            |   |   |           |
|----------------------------|---|---|-----------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-61760 |
| Nominal voltage UN         | 250 V   |   |           |
| Nominal current IN         | 24 A  |   |           |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5   |   |           |

|                            |   |   |            |
|----------------------------|---|---|------------|
| SEV                        |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-3558-M2 |
| Nominal voltage UN         | 250 V   |   |            |
| Nominal current IN         | 16 A  |   |            |
| mm <sup>2</sup> /AWG/kcmil | 2.5   |   |            |

|   |   |   |          |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40031691 |
| Nominal voltage UN                      | 250 V   |   |          |
| Nominal current IN                      | 24 A  |   |          |
| mm <sup>2</sup> /AWG/kcmil              | 0.2-2.5   |   |          |

|     |   |  |         |
|-----|---|--|---------|
| EAC |  |  | B.01742 |
|-----|---|--|---------|

|                            |   |   |                 |
|----------------------------|---|---|-----------------|
| 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> | E60425-20030211 |
|                            | B   | D   |                 |
| Nominal voltage UN         | 300 V   | 300 V   |                 |
| Nominal current IN         | 18 A  | 10 A  |                 |
| mm <sup>2</sup> /AWG/kcmil | 26-12   | 26-12   |                 |

# PCB terminal block - PT 1,5/ 6-5,0-H - 1935200

## Approvals

|                            |               |
|----------------------------|---------------|
| CCA                        | CCA/DE1 34714 |
| Nominal voltage UN         | 250 V         |
| Nominal current IN         | 24 A          |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5       |

## Accessories

### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX CENTRUS 6S - 1213144



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm<sup>2</sup> ... 6 mm<sup>2</sup>, also for TWIN ferrules up to 2 x 4 mm<sup>2</sup>, automatic cross section adjustment, lateral insertion, equipped with fall protection

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

#### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: 5 x 3.8 mm

#### Screwdriver tools



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### Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip