

## PCB terminal block - PT 1,5/ 8-5,0-H BK - 1989502

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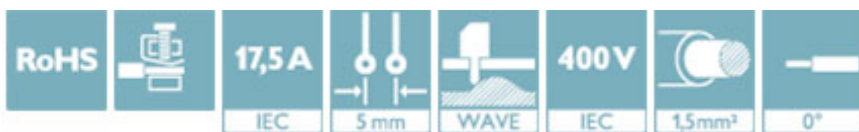
PCB terminal block, nominal current: 17.5 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 8, connection method: Screw connection with wire protector, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: black



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 | 100 pc        |
| GTIN         |               |
| GTIN         | 4017918944346 |

### Technical data

#### Dimensions

|                |         |
|----------------|---------|
| Length [ l ]   | 9 mm    |
| Pitch          | 5 mm    |
| Dimension a    | 35 mm   |
| Height         | 11.4 mm |
| Height [ h ]   | 11.3 mm |
| Solder pin [P] | 3.5 mm  |
| Pin spacing    | 5 mm    |
| Hole diameter  | 1.3 mm  |

#### General

|                   |             |
|-------------------|-------------|
| Range of articles | PT 1,5/..-H |
|-------------------|-------------|

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## Technical data

### General

|  |                     |
|--|---------------------|
| 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 <sub>N</sub>         | 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                    | 8                   |
| Screw thread                           | M2,6                |
| Tightening torque, min                 | 0.35 Nm             |
| Tightening torque max                  | 0.4 Nm              |

### 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> |
| 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     |

### Environmental Product Compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1                           |
| China RoHS | Environmentally Friendly Use Period = 50 |

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## Technical data

### Environmental Product Compliance

|  |   |
|--|---|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|---|

## Approvals


### Approvals


#### Approvals


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

#### Ex Approvals

### Approval details

|                            |   |   |           |
|----------------------------|---|---|-----------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-58868 |
| 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   |   |          |

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## Approvals

|     |   |         |
|-----|---|---------|
| 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 |
|------------------|---|---|-----------------|

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

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