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## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## PCB terminal block - PTSA 1,5/10-3,5-F - 1985043

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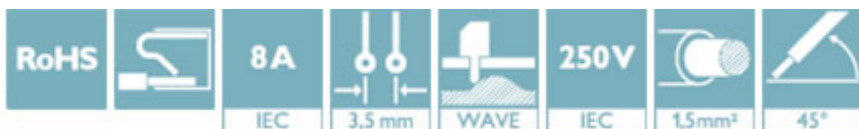


PCB terminal block, nominal current: 8 A, nom. voltage: 250 V, pitch: 3.5 mm, number of positions: 10, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green. Soldering legs in front area, one-rowed

The figure shows a 10-position version of the product

### Why buy this product

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Angled connection enables multi-row arrangement on the PCB



### Key Commercial Data

|                        |               |
|------------------------|---------------|
| Packing unit           | 100 STK       |
| Minimum order quantity | 100 STK       |
| GTIN                   |               |
| GTIN                   | 4017918922122 |

### Technical data

#### Dimensions

|                       |               |
|-----------------------|---------------|
| Length [ l ]          | 12 mm         |
| Pitch                 | 3.5 mm        |
| Dimension a           | 31.5 mm       |
| Width [ w ]           | 36.5 mm       |
| Constructional height | 13.1 mm       |
| Height [ h ]          | 16.7 mm       |
| Solder pin [P]        | 3.6 mm        |
| Pin dimensions        | 0,4 x 0,75 mm |
| Pin spacing           | 3.5 mm        |
| Hole diameter         | 1 mm          |

#### General

# PCB terminal block - PTSA 1,5/10-3,5-F - 1985043

## Technical data

### General

|  |                     |
|--|---------------------|
| Range of articles                      | PTSA 1,5            |
| 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)                  | 200 V               |
| Rated voltage (III/2)                  | 250 V               |
| Rated voltage (II/2)                   | 400 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 8 A                 |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Maximum load current                   | 8 A                 |
| Insulating material                    | PA                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 9 mm                |
| Number of positions                    | 10                  |

### 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. | 1 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.    | 0.5 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 |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

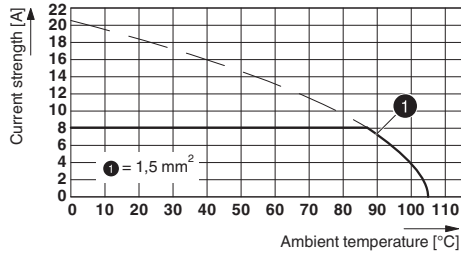
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

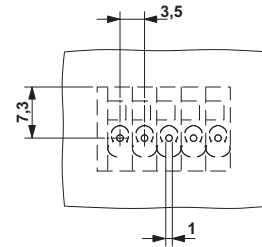
## Drawings

# PCB terminal block - PTSA 1,5/10-3,5-F - 1985043

Diagram



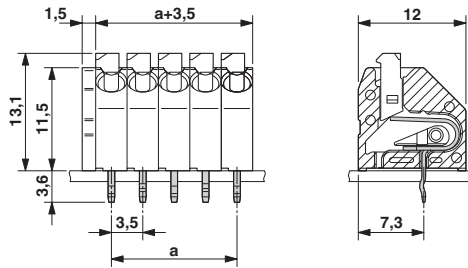
Drilling diagram



Type: PTSA 1,5/...-3,5-F

The figure shows the drilling diagram of the 5-position product version

Dimensional drawing



The figure shows the dimensional drawing of the 5-position product version

## Approvals

Approvals

Approvals

VDE Gutachten mit Fertigungsüberwachung / CCA / EAC / cULus Recognized

Ex Approvals

## Approval details

|   |          |   |          |
|---|----------|---|----------|
| 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> | 40018594 |
| Nominal voltage UN                      | 130 V    |   |          |
| Nominal current IN                      | 2 A      |   |          |
| mm²/AWG/kcmil                           | 0.5-0.75 |   |          |




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## Approvals

|                            |                        |
|----------------------------|------------------------|
| CCA                        | CCA/DE1<br>34182/33276 |
| Nominal current IN         | 2 A                    |
| mm <sup>2</sup> /AWG/kcmil | 0.75                   |

|     |   |         |
|-----|---|---------|
| 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> | E60425-20030527 |
|                            | D   | B   |                 |
| Nominal voltage UN         | 300 V   | 300 V   |                 |
| Nominal current IN         | 5 A   | 5 A   |                 |
| mm <sup>2</sup> /AWG/kcmil | 24-16   | 24-16   |                 |

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>