# PCB terminal block - PTSA 1,5/16-3,5-F - 1985108

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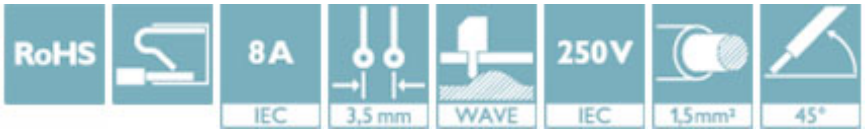
The figure shows a 10-position version of the product

PCB terminal block, nominal current: 8 A, nom. voltage: 250 V, pitch: 3.5 mm, number of positions: 16, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green. Soldering legs in front area, one-rowed

## 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 | 60 STK |
| Minimum order quantity | 60 STK |
| GTIN | 4 017918 922184 |
| GTIN | 4017918922184 |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 12 mm |
| Pitch | 3.5 mm |
| Dimension a | 52.5 mm |
| Width [ w ] | 57.5 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

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## 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 mm² |
| Maximum load current | 8 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 9 mm |
| Number of positions | 16 |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 1.5 mm² |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 1.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.5 mm² |
| 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

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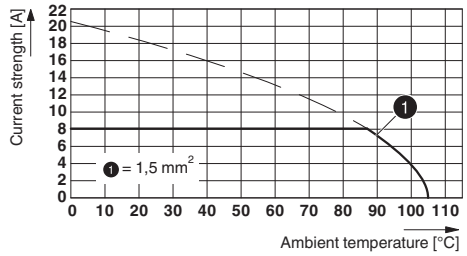
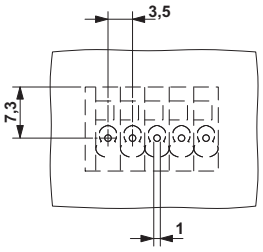
Diagram



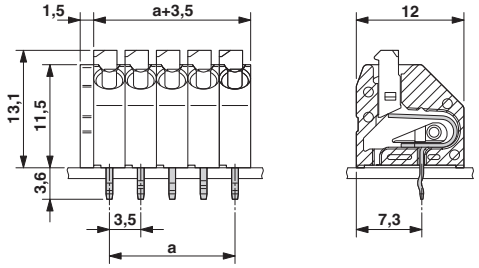

Drilling diagram




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 | VDE | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 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 |
| mm²/AWG/kcmil | 0.75 |

EAC B.01742

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-20030527

| | D | B |
|---|---|---|
| Nominal voltage UN | 300 V | 300 V |
| Nominal current IN | 5 A | 5 A |
| mm²/AWG/kcmil | 24-16 | 24-16 |



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