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PCB terminal block - PTSA 1,5/16-3,5-Z - 1985331

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PCB terminal block, Nominal current: 8 A, Nom. voltage: 400 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, Offset soldering legs, two-rowed

The figure shows a 10-position version of the product

Why buy this product

- Compact design with easy actuation and direct plug-in technology
- Dielectric strength and mechanical stability increased thanks to zigzag pinning. Pinning always starts at the front right position. Special pinning versions are available on request.



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 50 STK |
| GTIN |  4 017918 922412 |

Technical data

Dimensions

| | |
|--------------------------|---------------|
| Length | 12 mm |
| Pitch | 3.50 mm |
| Dimension a | 52.5 mm |
| Width | 57.5 mm |
| Constructional height | 13.1 mm |
| Height | 16.7 mm |
| Length of the solder pin | 3.6 mm |
| Pin dimensions | 0,4 x 0,75 mm |
| Pin spacing | 3.5 mm |
| Hole diameter | 1 mm |

General

| | |
|---------------------------|----------|
| Range of articles | PTSA 1,5 |
| Insulating material group | I |

PCB terminal block - PTSA 1,5/16-3,5-Z - 1985331

Technical data

General

| | |
|--|---------------------|
| 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 | 8 A |
| Nominal cross section | 1.5 mm ² |
| Maximum load current | 8 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 9 mm |
| Number of positions | 16 |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.5 mm ² |
| 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 |

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 |

PCB terminal block - PTSA 1,5/16-3,5-Z - 1985331

Classifications

eCl@ss

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

Approvals

Approvals


Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | | |
|---|-------|-------|
| UL Recognized  | | |
| | B | D |
| mm ² /AWG/kcmil | 24-16 | 24-16 |
| Nominal current I _N | 5 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V |

PCB terminal block - PTSA 1,5/16-3,5-Z - 1985331

Approvals

VDE Gutachten mit Fertigungsüberwachung

| | |
|--------------------------------|----------|
| mm ² /AWG/kcmil | 0.5-0.75 |
| Nominal current I _N | 2 A |
| Nominal voltage U _N | 250 V |

cUL Recognized

| | B | D |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 24-16 | 24-16 |
| Nominal current I _N | 5 A | 5 A |
| Nominal voltage U _N | 300 V | 300 V |

CCA

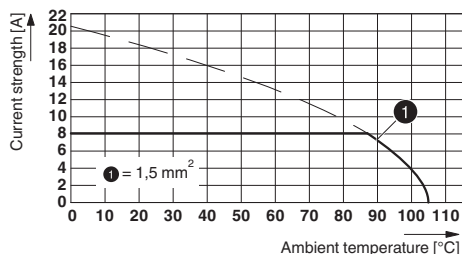
| | |
|--------------------------------|------|
| mm ² /AWG/kcmil | 0.75 |
| Nominal current I _N | 2 A |

EAC

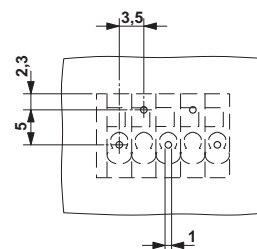
cULus Recognized

Drawings

Diagram



Drilling diagram

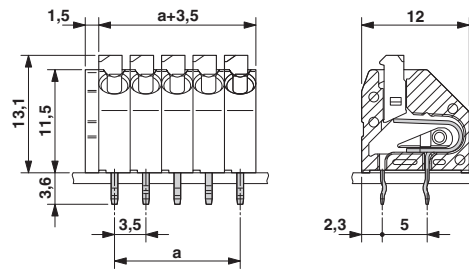


Type: PTSA 1,5/4-3,5-Z
 Tested in accordance with DIN EN 60512-5-2:2003-01
 Reduction factor = 1
 Number of positions: 4

The illustration shows the drilling plan of the 5-pos. version of the article – Zig-zag pinning starts at the right-hand position. Other pinning available on request.

PCB terminal block - PTSA 1,5/16-3,5-Z - 1985331

Dimensional drawing



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

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