

PCB terminal block - PTSA 0,5/ 7-2,5-F - 1989793

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PCB terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 7, Connection method: Spring-cage connection, Mounting: 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

Product Features

- 2.5 mm pitch
- 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.
- Color coding and mixed pitches as an option



Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Minimum order quantity | 100 pc |
| Weight per Piece (excluding packing) | 2.82 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|----------------|------------|
| Length | 12 mm |
| Height | 13.1 mm |
| Pitch | 2.5 mm |
| Dimension a | 15 mm |
| Pin dimensions | 0,4 x 0,75 |
| Pin spacing | 2.5 mm |
| Hole diameter | 1 mm |

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Technical data

General

| | |
|----------------------------------|---------------------|
| Range of articles | PTSA 0,5 |
| 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) | 63 V |
| Rated voltage (III/2) | 250 V |
| Rated voltage (II/2) | 250 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 2 A |
| Nominal cross section | 0.5 mm ² |
| Maximum load current | 2 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Stripping length | 9 mm |
| Number of positions | 7 |

Connection data

| | |
|--|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 0.5 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 0.5 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 20 |
| Minimum AWG according to UL/CUL | 26 |
| Maximum AWG according to UL/CUL | 20 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |

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Classifications

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 / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | | | |
|---|-------|-------|---|
| UL Recognized  | | | |
| | | B | D |
| mm ² /AWG/kcmil | 26-20 | 26-20 | |
| Nominal current I _N | 2 A | 2 A | |
| Nominal voltage U _N | 150 V | 300 V | |

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Approvals

VDE Gutachten mit Fertigungsüberwachung

| | |
|----------------------------|-------|
| mm ² /AWG/kcmil | 0.5 |
| Nominal current IN | 2 A |
| Nominal voltage UN | 130 V |

cUL Recognized

| | | B | D |
|----------------------------|-------|-------|---|
| mm ² /AWG/kcmil | 26-20 | 26-20 | |
| Nominal current IN | 2 A | 2 A | |
| Nominal voltage UN | 150 V | 300 V | |

CCA

| | |
|----------------------------|-----|
| mm ² /AWG/kcmil | 0.5 |
| Nominal current IN | 2 A |

GOST

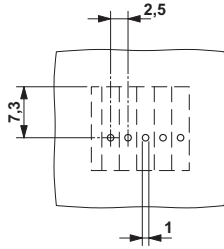
GOST

cULus Recognized

Drawings

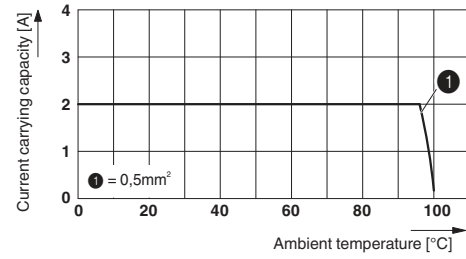
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Drilling diagram



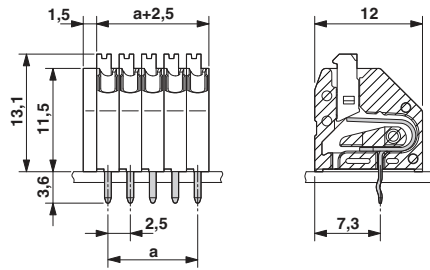
The illustration shows the 5-pos. version

Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensioned drawing



The illustration shows the 5-pos. version