

## PCB terminal block - PTSA 0,5/20-2,5-F - 1989926

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PCB terminal block, Nominal current: 2 A, Nom. voltage: 250 V, Pitch: 2.5 mm, Number of positions: 20, 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



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 8.6 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    | 47.5 mm    |
| Pin dimensions | 0,4 x 0,75 |
| Pin spacing    | 2.5 mm     |
| Hole diameter  | 1 mm       |

#### 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     |

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## Technical data

### General

|                                  |                     |
|----------------------------------|---------------------|
| 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 <sup>2</sup> |
| Maximum load current             | 2 A                 |
| Insulating material              | PA                  |
| Solder pin surface               | Sn                  |
| Stripping length                 | 9 mm                |
| Number of positions              | 20                  |

### Connection data

|                                        |                      |
|----------------------------------------|----------------------|
| Conductor cross section solid min.     | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.     | 0.5 mm <sup>2</sup>  |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.  | 0.5 mm <sup>2</sup>  |
| 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 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

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### Classifications

#### 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 / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                                   |       |       |   |
|---------------------------------------------------------------------------------------------------|-------|-------|---|
| UL Recognized  |       |       |   |
|                                                                                                   |       | B     | D |
| mm²/AWG/kcmil                                                                                     | 26-20 | 26-20 |   |
| Nominal current I <sub>N</sub>                                                                    | 2 A   | 2 A   |   |
| Nominal voltage U <sub>N</sub>                                                                    | 150 V | 300 V |   |

|                                                                                                                             |       |
|-----------------------------------------------------------------------------------------------------------------------------|-------|
| VDE Gutachten mit Fertigungsüberwachung  |       |
|                                                                                                                             |       |
| mm²/AWG/kcmil                                                                                                               | 0.5   |
| Nominal current I <sub>N</sub>                                                                                              | 2 A   |
| Nominal voltage U <sub>N</sub>                                                                                              | 130 V |

PCB terminal block - PTSA 0,5/20-2,5-F - 1989926

Approvals

|                                                                                                  |       |       |   |
|--------------------------------------------------------------------------------------------------|-------|-------|---|
| cUL Recognized  |       |       |   |
|                                                                                                  |       | B     | D |
| mm²/AWG/kcmil                                                                                    | 26-20 | 26-20 |   |
| Nominal current I <sub>N</sub>                                                                   | 2 A   | 2 A   |   |
| Nominal voltage U <sub>N</sub>                                                                   | 150 V | 300 V |   |

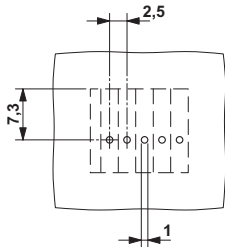
|                                |     |
|--------------------------------|-----|
| CCA                            |     |
| mm²/AWG/kcmil                  | 0.5 |
| Nominal current I <sub>N</sub> | 2 A |

|                                                                                        |  |
|----------------------------------------------------------------------------------------|--|
| GOST  |  |
|----------------------------------------------------------------------------------------|--|

|                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------|--|
| cULus Recognized  US |  |
|---------------------------------------------------------------------------------------------------------|--|

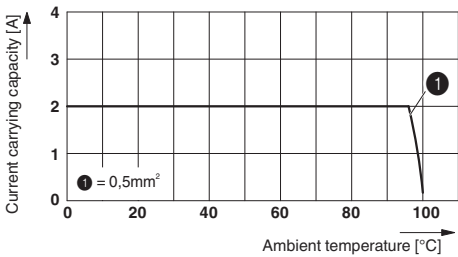
Drawings

Drilling diagram



The illustration shows the 5-pos. version

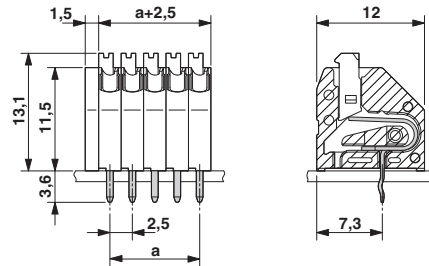
Diagram



Derating diagram for 5 pins;reduction factor=1

## PCB terminal block - PTSA 0,5/20-2,5-F - 1989926

Dimensioned drawing



The illustration shows the 5-pos. version

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