

## PCB terminal block - SPT 2,5/12-H-5,0 - 1991079

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 12, Connection method: Spring-cage connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green



The figure shows a 10-position version of the product

### Product Features

- ✓ Larger numbers of positions available on request
- ✓ Can be combined with 3.5 mm pitch
- ✓ 5.0 mm pitch
- ✓ Horizontal and vertical types
- ✓ Two solder pins for a high level of stability on the PCB
- ✓ Generously dimensioned connection cross section of up to 2.5 mm²
- ✓ PCB terminal blocks with front spring-cage connection
- ✓ Push-in direct plug-in technology for solid or stranded conductors with ferrules
- ✓ When connecting stranded conductors without ferrules, the terminal point is opened using a standard screwdriver



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Minimum order quantity               | 50 pc     |
| Weight per Piece (excluding packing) | 14.74 GRM |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |         |
|-------------|---------|
| Length      | 14.4 mm |
| Pitch       | 5 mm    |
| Dimension a | 55 mm   |

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## Technical data

### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 0,8 x 0,8 mm |
| Pin spacing    | 5 mm         |
| Hole diameter  | 1.1 mm       |

### General

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | SPT 2,5/...-H       |
| Insulating material group               | I                   |
| 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 $I_N$                   | 24 A                |
| Nominal cross section                   | 2.5 mm <sup>2</sup> |
| Maximum load current                    | 24 A                |
| Insulating material                     | PA                  |
| Solder pin surface                      | Sn                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 10 mm               |
| Number of positions                     | 12                  |

### Connection data

|                                                                            |                                            |
|----------------------------------------------------------------------------|--------------------------------------------|
| Conductor cross section solid min.                                         | 0.2 mm <sup>2</sup>                        |
| Conductor cross section solid max.                                         | 4 mm <sup>2</sup>                          |
| Conductor cross section stranded min.                                      | 0.2 mm <sup>2</sup>                        |
| Conductor cross section stranded max.                                      | 2.5 mm <sup>2</sup>                        |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> Stripping length 8 mm |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm <sup>2</sup> Stripping length 8 mm  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> Stripping length 8 mm |
| Conductor cross section stranded, with ferrule with plastic sleeve max.    | 1.5 mm <sup>2</sup> Stripping length 8 mm  |
| Conductor cross section AWG/kcmil min.                                     | 24                                         |
| Conductor cross section AWG/kcmil max                                      | 12                                         |
| Minimum AWG according to UL/CUL                                            | 24                                         |
| Maximum AWG according to UL/CUL                                            | 12                                         |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141109 |
| 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 |
| eCl@ss 8.0 | 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     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

### Approvals

#### Approvals

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##### Approvals

UL Recognized / SEV / cUL Recognized / CCA / IECCE CB Scheme / GOST / GOST / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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##### Approval details

## PCB terminal block - SPT 2,5/12-H-5,0 - 1991079

### Approvals

|                                                                                                 |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                 | B     | D     |
| mm²/AWG/kcmil                                                                                   | 24-12 | 24-12 |
| Nominal current I <sub>N</sub>                                                                  | 20 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V |

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
|                                |       |
| mm²/AWG/kcmil                  | 2.5   |
| Nominal current I <sub>N</sub> | 24 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

|                                                                                                    |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                    | B     | D     |
| mm²/AWG/kcmil                                                                                      | 24-12 | 24-12 |
| Nominal current I <sub>N</sub>                                                                     | 20 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 300 V | 300 V |

|                                |       |
|--------------------------------|-------|
| CCA                            |       |
|                                |       |
| mm²/AWG/kcmil                  | 2.5   |
| Nominal current I <sub>N</sub> | 24 A  |
| Nominal voltage U <sub>N</sub> | 250 V |

|                                                                                                     |       |
|-----------------------------------------------------------------------------------------------------|-------|
| IECEE CB Scheme  |       |
|                                                                                                     |       |
| mm²/AWG/kcmil                                                                                       | 2.5   |
| Nominal current I <sub>N</sub>                                                                      | 24 A  |
| Nominal voltage U <sub>N</sub>                                                                      | 250 V |

## PCB terminal block - SPT 2,5/12-H-5,0 - 1991079

### Approvals

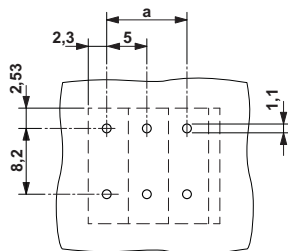
GOST 

GOST 

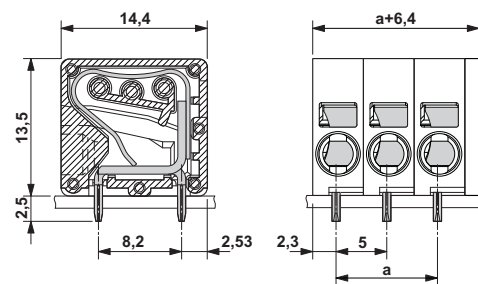
cULus Recognized 

### Drawings

Drilling diagram



Dimensioned drawing



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