

## PCB terminal block - SPT 5/ 4-H-7,5-ZB - 1719215

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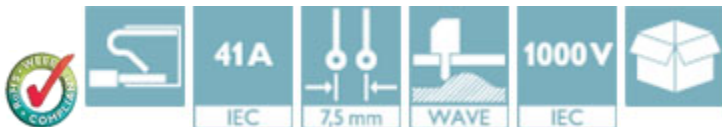


PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 4, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

The figure shows a 5-pos. version of the product

### Product Features

- Fast connection technology thanks to tool-free direct plug-in principle
- Conductor connection direction: horizontal (0° -H) to the PCB
- Unlimited 600 V UL approval thanks to compact zigzag pinning
- SPT 5 Push-in spring-cage PCB terminal blocks for conductor cross sections up to 6 mm², stranded
- Single-position terminal block bases with double pin



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 15.37 g  |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Bulgaria |

### Technical data

#### Dimensions

|                          |         |
|--------------------------|---------|
| Pitch                    | 7.50 mm |
| Dimension a              | 22.5 mm |
| Width                    | 31.8 mm |
| Constructional height    | 14.4 mm |
| Height                   | 19 mm   |
| Length of the solder pin | 4.6 mm  |

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### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Pin dimensions | 1,7 x 0,8 mm |
| Pin spacing    | 13.2 mm      |
| Hole diameter  | 2.1 mm       |

#### General

|                                        |                   |
|----------------------------------------|-------------------|
| Range of articles                      | SPT 5/..-H        |
| Insulating material group              | I                 |
| Rated surge voltage (III/3)            | 8 kV              |
| Rated surge voltage (III/2)            | 8 kV              |
| Rated surge voltage (II/2)             | 6 kV              |
| Rated voltage (III/3)                  | 800 V             |
| Rated voltage (III/2)                  | 1000 V            |
| Rated voltage (II/2)                   | 1000 V            |
| Connection in acc. with standard       | EN-VDE            |
| Nominal current $I_N$                  | 41 A              |
| Nominal cross section                  | 6 mm <sup>2</sup> |
| Insulating material                    | PA                |
| Solder pin surface                     | Sn                |
| Flammability rating according to UL 94 | V0                |
| Stripping length                       | 15 mm             |
| Number of positions                    | 4                 |

#### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 10 mm <sup>2</sup>   |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 6 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 6 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 8                    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |

#### Standards and Regulations

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## Technical data

### 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 | 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 |
| 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     | 39121432 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

## PCB terminal block - SPT 5/ 4-H-7,5-ZB - 1719215

### Approvals

Approvals submitted

#### Approval details

|                                                                                                 |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                 | B     | C     |
| mm²/AWG/kcmil                                                                                   | 24-8  | 24-8  |
| Nominal current I <sub>N</sub>                                                                  | 36 A  | 36 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 600 V | 600 V |

|                                |        |
|--------------------------------|--------|
| SEV                            |        |
|                                |        |
| mm²/AWG/kcmil                  | 6      |
| Nominal current I <sub>N</sub> | 41 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

|                                                                                                    |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                    | B     | C     |
| mm²/AWG/kcmil                                                                                      | 24-8  | 24-8  |
| Nominal current I <sub>N</sub>                                                                     | 36 A  | 36 A  |
| Nominal voltage U <sub>N</sub>                                                                     | 600 V | 600 V |

|                                |        |
|--------------------------------|--------|
| CCA                            |        |
|                                |        |
| mm²/AWG/kcmil                  | 6      |
| Nominal current I <sub>N</sub> | 41 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

|                                                                                                     |   |
|-----------------------------------------------------------------------------------------------------|---|
| IECEE CB Scheme  |   |
|                                                                                                     |   |
| mm²/AWG/kcmil                                                                                       | 6 |

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### Approvals

|                                |        |
|--------------------------------|--------|
|                                |        |
| Nominal current I <sub>N</sub> | 41 A   |
| Nominal voltage U <sub>N</sub> | 1000 V |

EAC

EAC

cULus Recognized 

### Accessories

#### Accessories

#### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

#### Labeled terminal marker

Marker card - SK 7,5/3,8:FORTL.ZAHLEN - 0804455



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Adhesive, for terminal block width: 7.5 mm, Lettering field: 7.5 x 3.8 mm

Marker card - SK 3,8 REEL P7,5 WH CUS - 0825127



Marker card, can be ordered: By card, white, labeled according to customer specifications, Mounting type: Adhesive, for terminal block width: 7.5 mm, Lettering field: continuous x 3.8 mm

## PCB terminal block - SPT 5/ 4-H-7,5-ZB - 1719215

### Accessories

#### Pitch spacer

Pitch spacer - RZ-SPT 5-4 H - 1701534



Accessories, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Conductor/PCB connection direction: 0 °, Color: green

### Screwdriver tools

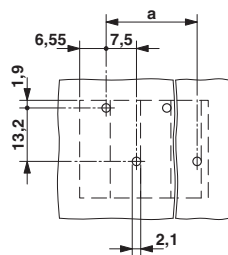
Screwdriver - SZF 1-0,6X3,5 - 1204517



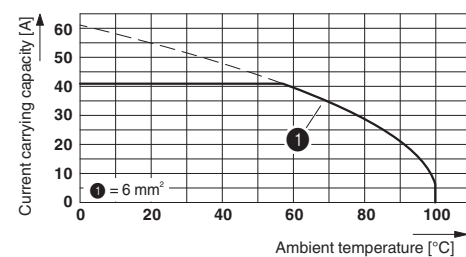
Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

### Drawings

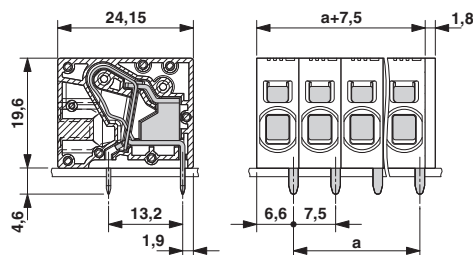
Drilling diagram



Diagram



Dimensional drawing





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