

## PCB terminal block - FRONT 2,5-V/SA 5-EX - 1701162

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 320 V, Nominal current (Ex): 22 A, Nominal voltage (Ex): 176 V, Pitch: 5 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!

### Why buy this product

- ✓ Two solder pins for a high level of stability on the PCB
- ✓ Voltage can be increased by using pitch spacers
- ✓ Front conductor connection



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 50 pc                                                                                                   |
| Minimum order quantity               | 50 pc                                                                                                   |
| GTIN                                 | <br>4 017918 023003 |
| Weight per Piece (excluding packing) | 3.38 g                                                                                                  |
| Custom tariff number                 | 85369010                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 18.5 mm      |
| Pitch          | 5 mm         |
| Pin dimensions | 0,8 x 0,8 mm |
| Pin spacing    | 5 mm         |
| Hole diameter  | 1.2 mm       |

#### General

|                             |                |
|-----------------------------|----------------|
| Range of articles           | FRONT 2,5-V-EX |
| 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           |

# PCB terminal block - FRONT 2,5-V/SA 5-EX - 1701162

## Technical data

### General

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| Rated voltage (III/3)                   | 250 V                                                     |
| Rated voltage (III/2)                   | 320 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                    | 17.5 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                     | PA                                                        |
| Solder pin surface                      | Sn                                                        |
| Inflammability class according to UL 94 | V0                                                        |
| Internal cylindrical gage               | A3                                                        |
| Stripping length                        | 9 mm                                                      |
| Number of positions                     | 1                                                         |
| Screw thread                            | M2,5                                                      |
| Tightening torque, min                  | 0.4 Nm                                                    |
| Tightening torque max                   | 0.5 Nm                                                    |

### Connection data

|                                                                                       |                      |
|---------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                    | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                    | 2.5 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> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.            | 1.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.               | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.               | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.                                                | 24                   |
| Conductor cross section AWG/kcmil max                                                 | 14                   |
| 2 conductors with same cross section, solid min.                                      | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.                                      | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                                   | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                   | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm <sup>2</sup> |

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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

EAC

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Ex Approvals

IECEX / ATEX / EAC Ex

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Approvals submitted

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#### Approval details

|     |
|-----|
| EAC |
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### Accessories

Accessories

Bridge

## PCB terminal block - FRONT 2,5-V/SA 5-EX - 1701162

### Accessories

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

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### End cover

PCB terminal block - D-FRONT 2,5-V-O.Z. - 1700011



End cover, necessary at the end of a terminal row, 2.5 mm thick, color: green

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### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

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### Pitch spacer

Pitch spacer - RZ 2,5-FRONT 2,5 V-EX - 1700794



Pitch spacer, only for Ex version, increases the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

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### Accessories

#### Additional products

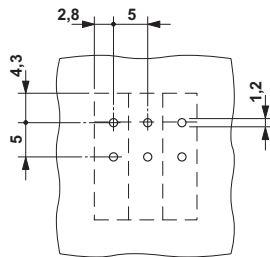
PCB terminal block - D-FRONT 2,5-V-O.Z. - 1700011



End cover, necessary at the end of a terminal row, 2.5 mm thick, color: green

### Drawings

Drilling diagram



Dimensioned drawing

