

## PCB terminal block - FRONT 2,5-V/SA10 - 1700053

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PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 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!

### Key commercial data

|                  |               |
|------------------|---------------|
| package_quantity | 50            |
| GTIN             | 4017918022747 |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 18.5 mm      |
| Height         | 31 mm        |
| Pitch          | 5 mm         |
| Pin dimensions | 0,8 x 0,8 mm |
| Pin spacing    | 10 mm        |
| Hole diameter  | 1.2 mm       |

#### General

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | FRONT 2,5-V/SA10    |
| 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                    | 17.5 A              |
| Insulating material                     | PA                  |
| Solder pin surface                      | Sn                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 9 mm                |

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## Technical data

### General

|                        |        |
|------------------------|--------|
| 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> |
| Minimum AWG according to UL/CUL                                                       | 30                   |
| Maximum AWG according to UL/CUL                                                       | 12                   |

## 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 |

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## classifications

### ETIM

|                 |          |
|-----------------|----------|
| <b>ETIM 5.0</b> | EC002643 |
|-----------------|----------|

### UNSPSC

|                      |          |
|----------------------|----------|
| <b>UNSPSC 6.01</b>   | 30211801 |
| <b>UNSPSC 7.0901</b> | 39121432 |
| <b>UNSPSC 11</b>     | 39121432 |
| <b>UNSPSC 12.01</b>  | 39121432 |
| <b>UNSPSC 13.2</b>   | 39121432 |

## approvals

CSA / UL Recognized / cUL Recognized / GOST / GL / RS / GOST / cULus Recognized /

### Approval details

| <b>CSA</b>  |       |       |
|------------------------------------------------------------------------------------------------|-------|-------|
| Usegroups                                                                                      | B     | D     |
| Nominal voltage UN                                                                             | 300 V | 300 V |
| Nominal current IN                                                                             | 10 A  | 10 A  |
| mm²/AWG/kcmil                                                                                  | 24-12 | 24-12 |

| <b>UL Recognized</b>  |       |       |       |
|----------------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                                | B     | C     | D     |
| Nominal voltage UN                                                                                       | 250 V | 300 V | 300 V |
| Nominal current IN                                                                                       | 10 A  | 17 A  | 10 A  |
| mm²/AWG/kcmil                                                                                            | 30-12 | 30-12 | 30-12 |

| <b>cUL Recognized</b>  |       |       |       |
|-----------------------------------------------------------------------------------------------------------|-------|-------|-------|
| Usegroups                                                                                                 | B     | C     | D     |
| Nominal voltage UN                                                                                        | 250 V | 300 V | 300 V |
| Nominal current IN                                                                                        | 10 A  | 17 A  | 10 A  |
| mm²/AWG/kcmil                                                                                             | 30-12 | 30-12 | 30-12 |

|                                                                                                 |  |
|-------------------------------------------------------------------------------------------------|--|
| <b>GOST</b>  |  |
|-------------------------------------------------------------------------------------------------|--|

## PCB terminal block - FRONT 2,5-V/SA10 - 1700053

approvals

GL

RS



cULus Recognized  US

accessories

**End cover**

D-FRONT 2,5-V-O.Z. - 1700011



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**Pitch spacer**

RZ 2,5-FRONT 2,5 V - 1700082



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**Screwdriver tools**

SZS 0,6X3,5 - 1205053



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**Labeled terminal marker**

## PCB terminal block - FRONT 2,5-V/SA10 - 1700053

### accessories

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



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### Bridge

EBP 2- 5 - 1733169

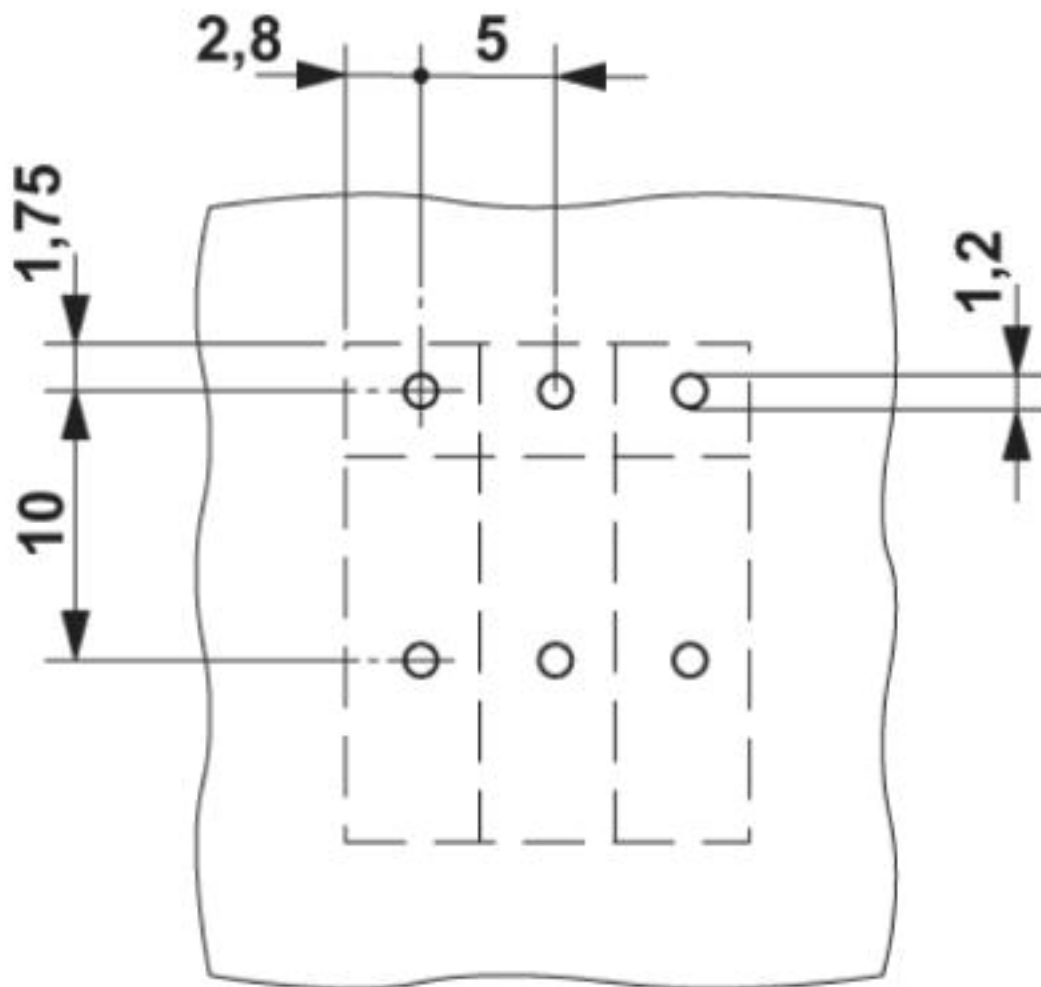


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### Drawings

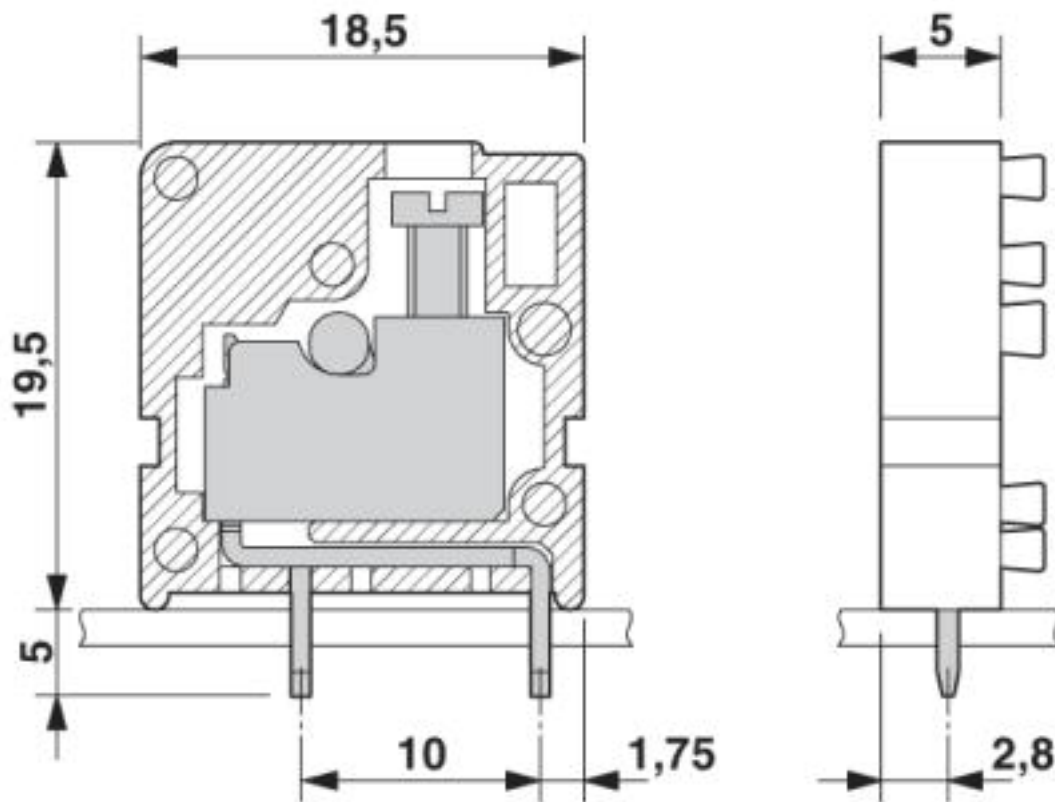
## PCB terminal block - FRONT 2,5-V/SA10 - 1700053

Drilling diagram



## PCB terminal block - FRONT 2,5-V/SA10 - 1700053

Dimensioned drawing



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