

## FRONT 2,5-H/SA10

Order No.: 1700040



<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=1700040>

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: 0 °, Color: green, The article can be aligned to create different nos. of positions!

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4 017918 022730    |
| Pack                     | 50                 |
| Customs tariff           | 85369010           |
| Gross weight in pieces   | 3.57 g             |
| Country of Origin        | DE                 |
| Catalog page information | Page 113 (CC-2007) |

### Product notes

WEEE/RoHS-compliant since:  
28/01/2005



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### Technical data

#### Dimensions / positions

|                     |              |
|---------------------|--------------|
| Length              | 19.5 mm      |
| Pitch               | 5 mm         |
| Number of positions | 1            |
| Pin dimensions      | 0,8 x 0,8 mm |

|                        |        |
|------------------------|--------|
| Pin spacing            | 10 mm  |
| Hole diameter          | 1.2 mm |
| Screw thread           | M2,5   |
| Tightening torque, min | 0.4 Nm |
| Tightening torque max  | 0.5 Nm |

#### Technical data

|                                         |                     |
|-----------------------------------------|---------------------|
| Range of articles                       | FRONT 2,5-H/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                  |
| Inflammability class according to UL 94 | V0                  |
| Internal cylindrical gage               | A3                  |
| Stripping length                        | 9 mm                |
| Nominal voltage, UL/CUL Use Group B     | 250 V               |
| Nominal current, UL/CUL Use Group B     | 10 A                |
| Nominal voltage, UL/CUL Use Group C     | 300 V               |
| Nominal current, UL/CUL Use Group C     | 17 A                |
| Nominal voltage, UL/CUL Use Group D     | 300 V               |
| Nominal current, UL/CUL Use Group D     | 10 A                |

#### 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                   |

#### Certificates



Certification

CSA, cULus Recognized, GOST, GL, RS

Certifications applied for:

Certification Ex:

#### Accessories

| Item            | Designation        | Description                                                                                              |
|-----------------|--------------------|----------------------------------------------------------------------------------------------------------|
| <b>Assembly</b> |                    |                                                                                                          |
| 1700024         | D-FRONT 2,5-H-O.Z. | End cover, necessary at the end of a terminal row, 2.5 mm thick, color: green                            |
| 1700079         | RZ 2,5-FRONT 2,5 H | Pitch spacer, raises the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green |

#### General

|         |          |                                                                                                       |
|---------|----------|-------------------------------------------------------------------------------------------------------|
| 1733169 | EBP 2- 5 | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2 |
|---------|----------|-------------------------------------------------------------------------------------------------------|

#### Marking

|         |                        |                                                                                                                                                                       |
|---------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1051993 | B-STIFT                | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                                                           |
| 0804183 | SK 5/3,8:FORTL.ZAHLEN  | Marker cards, 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 |
| 0805072 | SK 5/3,8:SO            | Marker cards, white, Mounting type: Adhesive, For terminal block width: 5 mm                                                                                          |
| 0805409 | SK 5/3,8:UNBEDRUCKT    | Marker cards, Card, white, Unlabeled, Can be labeled with: Bezeichnungsstift, Mounting type: Adhesive, For terminal block width: 5 mm                                 |
| 0803906 | SK U/3,8 WH:UNBEDRUCKT | Marker cards, Sheet, white, Unlabeled, Can be labeled with: Plotter, Office-Drucksysteme, Mounting type: Adhesive                                                     |

#### Tools

|         |             |                                                                                                                                                                  |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | 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 |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Additional products

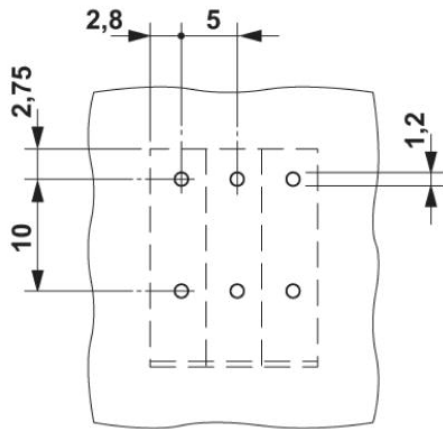
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

#### Assembly

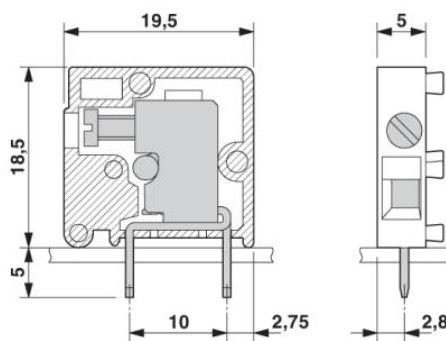
|         |                    |                                                                               |
|---------|--------------------|-------------------------------------------------------------------------------|
| 1700024 | D-FRONT 2,5-H-O.Z. | End cover, necessary at the end of a terminal row, 2.5 mm thick, color: green |
|---------|--------------------|-------------------------------------------------------------------------------|

## Drawings

### Drilling plan/solder pad geometry



### Dimensioned drawing



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