

## PCB terminal block - FRONT 2,5-H/SA 5/ 4 - 1700781

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The illustration shows the 10-position version

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 4, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: green, The article can be aligned to create different nos. of positions!

### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Weight per Piece (excluding packing) | 15.34 GRM |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                |              |
|----------------|--------------|
| Length         | 19.5 mm      |
| Height         | 22 mm        |
| Pitch          | 5 mm         |
| Dimension a    | 15 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-H/SA 5 |
| 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            |

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## Technical data

### General

|                                         |                                                           |
|-----------------------------------------|-----------------------------------------------------------|
| 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                     | 4                                                         |
| 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                   |

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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

CSA / UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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##### Approval details

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### Approvals

| CSA  |       |       |
|---------------------------------------------------------------------------------------|-------|-------|
|                                                                                       | B     | D     |
| mm <sup>2</sup> /AWG/kcmil                                                            | 24-12 | 24-12 |
| Nominal current I <sub>N</sub>                                                        | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                        | 300 V | 300 V |

| UL Recognized  |       |       |       |   |
|-------------------------------------------------------------------------------------------------|-------|-------|-------|---|
|                                                                                                 |       | B     | C     | D |
| mm <sup>2</sup> /AWG/kcmil                                                                      | 30-12 | 30-12 | 30-12 |   |
| Nominal current I <sub>N</sub>                                                                  | 20 A  | 17 A  | 20 A  |   |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V | 300 V |   |

| cUL Recognized  |       |       |       |   |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|---|
|                                                                                                    |       | B     | C     | D |
| mm <sup>2</sup> /AWG/kcmil                                                                         | 30-12 | 30-12 | 30-12 |   |
| Nominal current I <sub>N</sub>                                                                     | 10 A  | 17 A  | 10 A  |   |
| Nominal voltage U <sub>N</sub>                                                                     | 250 V | 300 V | 300 V |   |

|                                                                                          |  |  |  |  |
|------------------------------------------------------------------------------------------|--|--|--|--|
| GOST  |  |  |  |  |
|------------------------------------------------------------------------------------------|--|--|--|--|

|                                                                                          |  |  |  |  |
|------------------------------------------------------------------------------------------|--|--|--|--|
| GOST  |  |  |  |  |
|------------------------------------------------------------------------------------------|--|--|--|--|

|                                                                                                      |  |  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|--|--|
| cULus Recognized  |  |  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|--|--|

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