

PCB terminal block - FRONT 2,5-V/SA 5/ 8 - 1700710

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



The illustration shows the 10-position version

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 8, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!

Product Features

- Voltage can be increased by using pitch spacers
- Generously dimensioned connection cross section of up to 2.5 mm²
- Two solder pins for a high level of stability on the PCB
- For flush installation on the front of devices
- Screw terminal blocks with front conductor connection

Key commercial data

| | |
|--------------------------------------|----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 29.0 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|----------------|--------------|
| Length | 18.5 mm |
| Pitch | 5 mm |
| Dimension a | 35 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/SA 5 |
| Insulating material group | I |
| Rated surge voltage (III/3) | 4 kV |

PCB terminal block - FRONT 2,5-V/SA 5/ 8 - 1700710

Technical data

General

| | |
|---|---------------------|
| 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 ² |
| 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 |
| Number of positions | 8 |
| 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 ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 1.5 mm ² |
| 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 ² |
| 2 conductors with same cross section, solid max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded min. | 0.2 mm ² |
| 2 conductors with same cross section, stranded max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm ² |

PCB terminal block - FRONT 2,5-V/SA 5/ 8 - 1700710

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


Approvals

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

Ex Approvals


Approvals submitted

Approval details


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

PCB terminal block - FRONT 2,5-V/SA 5/ 8 - 1700710


Approvals

CSA 

| | B | D |
|----------------------------|-------|-------|
| mm ² /AWG/kcmil | 24-12 | 24-12 |
| Nominal current IN | 10 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

UL Recognized 

| | | B | C | D |
|----------------------------|-------|-------|-------|---|
| mm ² /AWG/kcmil | 30-12 | 30-12 | 30-12 | |
| Nominal current IN | 10 A | 17 A | 10 A | |
| Nominal voltage UN | 250 V | 300 V | 300 V | |

cUL Recognized 

| | | B | C | D |
|----------------------------|-------|-------|-------|---|
| mm ² /AWG/kcmil | 30-12 | 30-12 | 30-12 | |
| Nominal current IN | 10 A | 17 A | 10 A | |
| Nominal voltage UN | 250 V | 300 V | 300 V | |

GOST 

cULus Recognized 