

PCB terminal block - FRONT 2,5-H/SA 5/ 3 - 1700121

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PCB terminal block, nominal current: 24 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 3, connection method: Front screw connection, mounting: Wave soldering, conductor/PCB connection direction: 0°, color: green. The article can be aligned to create different nos. of positions!



The figure shows the 10-position version

Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Operation and conductor connection from one direction enable integration into front of device
- ✓ Two solder pins reduce the mechanical strain on the soldering spots
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 20 STK |
| GTIN | |
| GTIN | 4017918252427 |

Technical data

Dimensions

| | |
|-----------------------|--------------|
| Length [l] | 19.5 mm |
| Pitch | 5 mm |
| Dimension a | 10 mm |
| Width [w] | 17.5 mm |
| Constructional height | 18.5 mm |
| Height [h] | 22.1 mm |
| Solder pin [P] | 4.3 mm |
| Pin dimensions | 0,8 x 0,8 mm |
| Pin spacing | 5 mm |

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Technical data

Dimensions

| | |
|---------------|--------|
| 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 |
| 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 (with a 2.5 mm ² conductor cross section) |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 |
| Stripping length | 9 mm |
| Number of positions | 3 |
| 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 flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG 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 |

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Technical data

Connection data

| | |
|---|----------------------|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.34 mm ² |
|---|----------------------|

Standards and Regulations

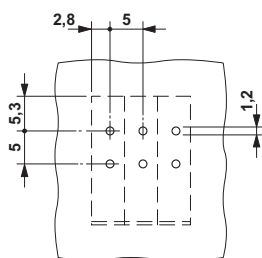
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CSA |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

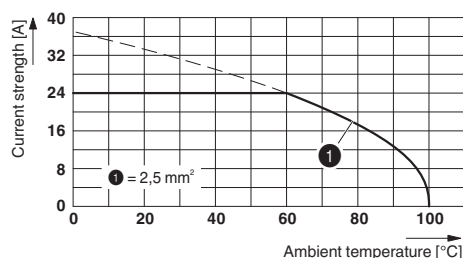
| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

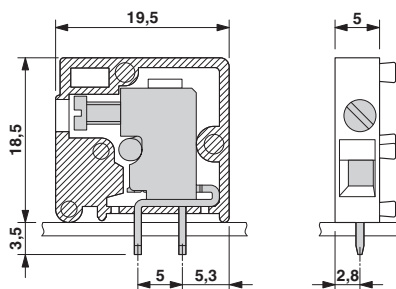
Drilling diagram



Diagram



Dimensional drawing



Approvals

Approvals

Approvals


CSA / EAC / cULus Recognized


Ex Approvals


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Approvals

Approval details

| | | | |
|----------------------------|---|---|-------|
| CSA |  | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | D | B | |
| Nominal voltage UN | 300 V | 300 V | |
| Nominal current IN | 10 A | 10 A | |
| mm ² /AWG/kcmil | 24-12 | 24-12 | |

| | | |
|-----|---|---------|
| EAC |  | B.01742 |
|-----|---|---------|

| | | | |
|----------------------------|--|---|-----------------|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19860303 |
| | D | B | C |
| Nominal voltage UN | 300 V | 300 V | 300 V |
| Nominal current IN | 20 A | 20 A | 17 A |
| mm ² /AWG/kcmil | 30-12 | 30-12 | 30-12 |

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