

Screw compact terminal block - PT 2,5/ 5-5,0-H - 1935802

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The figure shows a 10-position version of the product

PCB terminal block, Nominal current: 32 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 5, Connection method: Screw connection with wire protector, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, When using ferrules, 250 V are only achieved in combination with overvoltage category/degree of pollution II/2.

Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- High terminal block capacity thanks to rectangular terminal block space
- Allows connection of two conductors
- The latching on the side enables various numbers of positions to be combined



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 100 STK |
| Minimum order quantity | 100 STK |
| GTIN |  4 017918 948429 |
| GTIN | 4017918948429 |
| Weight per Piece (excluding packing) | 6.070 g |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-----------------------|----------|
| Length | 9 mm |
| Pitch | 5 mm |
| Dimension a | 20.00 mm |
| Width | 25.00 mm |
| Constructional height | 13.5 mm |
| Height | 17.6 mm |

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Technical data

Dimensions

| | |
|----------------|---------|
| Solder pin [P] | 4.1 mm |
| Pin dimensions | 1,0 mm |
| Pin spacing | 5.00 mm |
| Hole diameter | 1.3 mm |

General

| | |
|--|---|
| Range of articles | PT 2,5/..-H |
| 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 | 32 A |
| Nominal cross section | 2.5 mm ² |
| Maximum load current | 32 A (current values dependent on no. of pos., dimensioning of printed circuits, and ambient temperature) |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A3 / B3 |
| Stripping length | 6.5 mm |
| Number of positions | 5 |
| Screw thread | M3 |
| Tightening torque, min | 0.45 Nm |
| Tightening torque max | 0.5 Nm |

Connection data

| | |
|--|---------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 4 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 10 |
| 2 conductors with same cross section, solid min. | 0.5 mm ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |

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Technical data

Connection data

| | |
|---|---|
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.75 mm ² The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage. |

Standards and Regulations

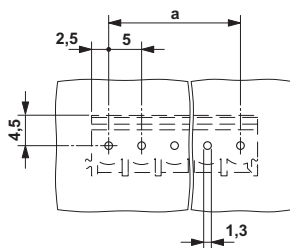
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

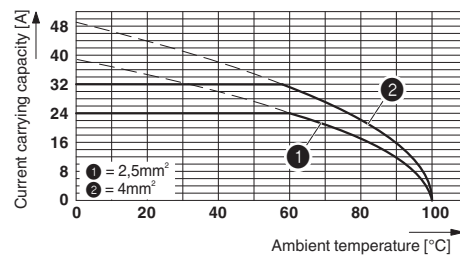
| | |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Drilling diagram



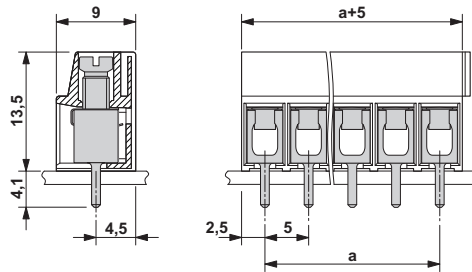
Diagram



Derating diagram for 5 pins;reduction factor=1

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Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|--------------------------------|-------|---|--------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | D | |
| mm ² /AWG/kcmil | 20-12 | 20-12 | |
| Nominal current I _N | 20 A | 10 A | |
| Nominal voltage U _N | 300 V | 300 V | |

| | | | |
|---|-------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung | | http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx | 40029839 |
| | | | |
| mm ² /AWG/kcmil | 0.5-4 | | |
| Nominal current I _N | 32 A | | |
| Nominal voltage U _N | 250 V | | |


| | | | |
|----------------------------|-------|---|--------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | D | |
| mm ² /AWG/kcmil | 20-12 | 20-12 | |

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Approvals

| | B | D |
|--------------------|-------|-------|
| Nominal current IN | 20 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

| CCA | DE1 34001 |
|----------------------------|-----------|
| mm ² /AWG/kcmil | 0.5-4 |
| Nominal current IN | 32 A |
| Nominal voltage UN | 250 V |

| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-43131 |
|----------------------------|---|---|-----------|
| mm ² /AWG/kcmil | 0.5-4 | | |
| Nominal current IN | 32 A | | |
| Nominal voltage UN | 250 V | | |

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

| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm |
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