

PT 2,5/ 3-5,0-H

Order No.: 1935789

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1935789>

PC terminal block, Nominal current: 32 A, Nom. voltage: 250 V, Pitch: 5 mm, Number of positions: 3, Type of connection: Screw connection, Assembly: Soldering, Conductor/PCB connection direction: 0 °, Color: green, When using ferrules, 250 V are only achieved in combination with surge voltage category/pollution degree II/2.

Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4017918948405 |
| Pack | 250 pcs. |
| Customs tariff | 85369010 |
| Weight/Piece | 0.003589 KG |
| Catalog page information | Page 473 (CC-2009) |

Product notes

WEEE/RoHS-compliant since:
01/01/2003



<http://www.download.phoenixcontact.com>
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Technical data

Dimensions / positions

| | |
|--------|---------|
| Length | 9 mm |
| Height | 13.5 mm |
| Pitch | 5 mm |

| | |
|------------------------|---------|
| Dimension a | 10 mm |
| Number of positions | 3 |
| Pin dimensions | 1,0 mm |
| Pin spacing | 5 mm |
| Hole diameter | 1.3 mm |
| Screw thread | M3 |
| Tightening torque, min | 0.45 Nm |
| Tightening torque max | 0.5 Nm |

Technical data

| | |
|------------------------------------|---|
| 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/2) | 320 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 32 A |
| Nominal voltage U_N | 250 V |
| Nominal cross section | 4 mm ² |
| Maximum load current | 32 A (current values dependent on no. of pos., dimensioning of printed circuits, and ambient temperature) |
| Insulating material | PA |
| Inflammability class acc. to UL 94 | V0 |
| Internal cylindrical gage | A3 / B3 |
| Stripping length | 6.5 mm |

Connection data

| | |
|--|---------------------|
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.5 mm ² |

| | |
|---|---|
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil 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 |
| 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. |

Certificates / Approvals



Certification CUL, UL

CUL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 20 A |
| AWG/kcmil | 20-12 |

UL

| | |
|-----------------------|-------|
| Nominal voltage U_N | 300 V |
| Nominal current I_N | 20 A |
| AWG/kcmil | 20-12 |

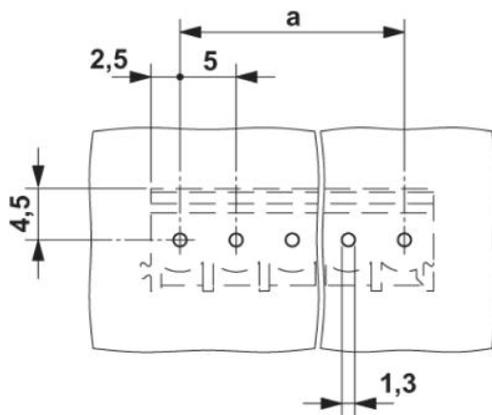
Accessories

| Item | Designation | Description |
|----------------|-----------------------|---|
| Marking | | |
| 0804183 | SK 5/3,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks |

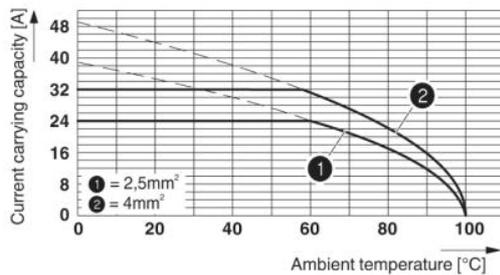
| | | |
|--------------|-------------|--|
| Tools | | |
| 1205053 | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm ² connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |

Diagrams/Drawings

Drilling plan/solder pad geometry

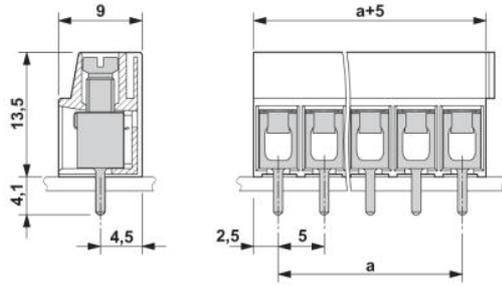


Diagram



Derating diagram for 5 pins;reduction factor=1

Dimensioned drawing



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