

PCB terminal block - PT 1,5/ 2-5,0-H - 1935161

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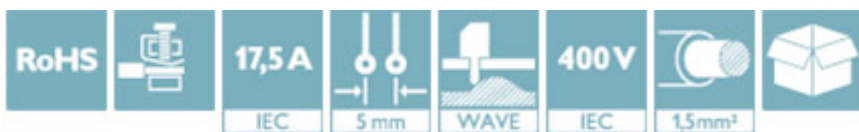
PCB terminal block, Nominal current: 17.5 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 2, Connection method: Screw connection with wire protector, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green, Also possible: Connection of a 1.5 mm² conductor with ferrule, then however with reduction in rated voltage or degree of pollution / surge category.




The figure shows a 10-position version of the product

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 | 250 STK |
| Minimum order quantity | 250 STK |
| GTIN |  4 017918 916930 |
| GTIN | 4017918916930 |
| Weight per Piece (excluding packing) | 1.900 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------------------------|---------|
| Length | 9 mm |
| Pitch | 5 mm |
| Dimension a | 5 mm |
| Constructional height | 11.4 mm |
| Height | 11.3 mm |
| Length of the solder pin | 3.5 mm |

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Technical data

Dimensions

| | |
|----------------|--------|
| Pin dimensions | 1,0 mm |
| Pin spacing | 5 mm |
| Hole diameter | 1.3 mm |

General

| | |
|----------------------------------------|---------------------|
| Range of articles | PT 1,5/..-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 | 17.5 A |
| Nominal cross section | 1.5 mm ² |
| Maximum load current | 17.5 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A1 |
| Stripping length | 5 mm |
| Number of positions | 2 |
| Screw thread | M2,6 |
| Tightening torque, min | 0.35 Nm |
| Tightening torque max | 0.4 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. | 26 |
| 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 |

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Technical data

Connection data

| | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 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. | 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. |

Standards and Regulations

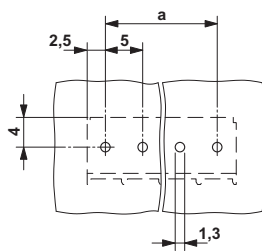
| | |
|----------------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

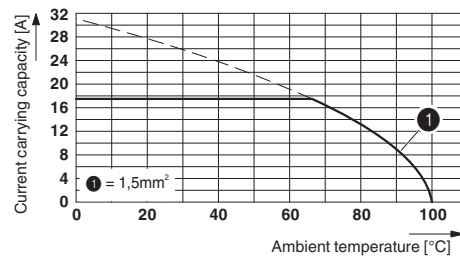
| | |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Drilling diagram

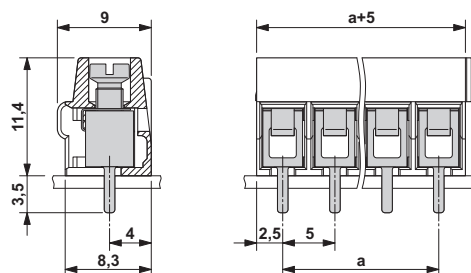


Diagram



Derating diagram for 5 pins; reduction factor=1

Dimensional drawing



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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| 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 |
| eCl@ss 9.0 | 27440401 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |
| ETIM 6.0 | EC002643 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 34131203 |
| UNSPSC 12.01 | 39121432 |
| UNSPSC 13.2 | 39121432 |

Approvals


Approvals

Approvals

UL Recognized / cUL Recognized / CCA / VDE Gutachten mit Fertigungsüberwachung / CCA / IECCEB Scheme / SEV / 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 | 26-12 | 26-12 | |
| Nominal current IN | 18 A | 10 A | |


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Approvals


| | | |
|--------------------|-------|-------|
| | B | D |
| Nominal voltage UN | 300 V | 300 V |

| | | | |
|----------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | D | |
| mm ² /AWG/kcmil | 26-12 | 26-12 | |
| Nominal current IN | 18 A | 10 A | |
| Nominal voltage UN | 300 V | 300 V | |

| | | |
|----------------------------|--|---------|
| CCA | | IK-2681 |
| | | |
| mm ² /AWG/kcmil | | 2.5 |
| Nominal current IN | | 16 A |
| Nominal voltage UN | | 250 V |

| | | | |
|--------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | http://www.vde.com/en/Institute/OnlineService/ VDE-approved-products/Pages/Online-Search.aspx | 40031691 |
| | | | |
| mm ² /AWG/kcmil | | 0.2-2.5 | |
| Nominal current IN | | 24 A | |
| Nominal voltage UN | | 250 V | |

| | | |
|----------------------------|--|---------------|
| CCA | | CCA/DE1 34070 |
| | | |
| mm ² /AWG/kcmil | | 0.2-2.5 |
| Nominal current IN | | 24 A |
| Nominal voltage UN | | 250 V |

| | | | |
|----------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-47795 |
| | | | |
| mm ² /AWG/kcmil | | 0.2-2.5 | |
| Nominal current IN | | 24 A | |
| Nominal voltage UN | | 250 V | |

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Approvals

| | | | |
|--------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| SEV | | https://www.electrosuisse.ch/en/meta/shop/product-certificates.html | IK-3558 |
| mm ² /AWG/kcmil | | 2.5 | |
| Nominal current I _N | | 16 A | |
| Nominal voltage U _N | | 250 V | |

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

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

Accessories

Accessories

Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip