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Especialistas en Automatización

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PCB terminal block - PT 2,5/ 3-5,0-V - 1987737

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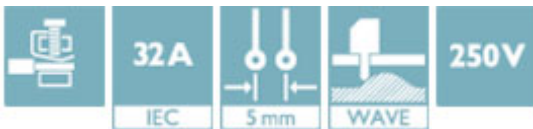
PCB terminal block, Nominal current: 32 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 3, Connection method: Screw connection with wire protector, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green




The figure shows a 10-position version of the product

Why buy this product

- 5.0 mm pitch
- Large terminal block capacity thanks to rectangular clamping space
- Rugged version for larger cross sections
- Highly flexible conductor protection for easy, repeated connection
- Plus/minus screw



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 250 STK |
| GTIN |  4 017918 973209 |

Technical data

Dimensions

| | |
|--------------------------|---------|
| Length | 13.5 mm |
| Pitch | 5.00 mm |
| Dimension a | 10 mm |
| Constructional height | 14 mm |
| Height | 9 mm |
| Length of the solder pin | 4.1 mm |
| Pin dimensions | 1,0 mm |
| Pin spacing | 5 mm |
| Hole diameter | 1.3 mm |

General

PCB terminal block - PT 2,5/ 3-5,0-V - 1987737

Technical data

General

| | |
|--|---|
| Range of articles | PT 2,5/..-V |
| 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 | 3 |
| 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 |
| 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 |

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Technical data

Connection data

| | |
|---|--|
| | 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 |

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 |

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 / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECCEB Scheme / cULus Recognized

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Approvals

Ex Approvals

Approvals submitted

Approval details

| | | |
|--------------------------------|-------|-------|
| UL Recognized | | |
| | 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 | |
| mm ² /AWG/kcmil | 0.5-4 |
| Nominal current I _N | 32 A |
| Nominal voltage U _N | 250 V |

| | | |
|--------------------------------|-------|-------|
| cUL Recognized | | |
| | 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 |

| | |
|--------------------------------|-------|
| CCA | |
| mm ² /AWG/kcmil | 0.5-4 |
| Nominal current I _N | 32 A |
| Nominal voltage U _N | 250 V |

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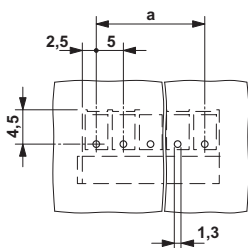
Approvals

| | |
|--------------------------------|-------|
| IECEE CB Scheme | |
| mm ² /AWG/kcmil | 0.5-4 |
| Nominal current I _N | 32 A |
| Nominal voltage U _N | 250 V |

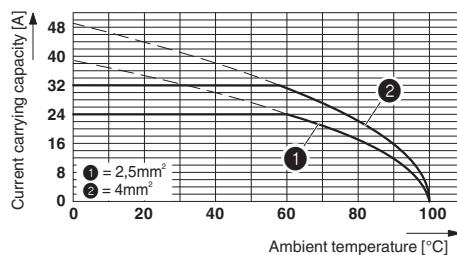
| | |
|------------------|--|
| cULus Recognized | |
|------------------|--|

Drawings

Drilling diagram

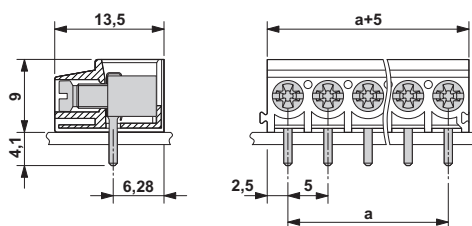


Diagram



Derating diagram for 5 pins;reduction factor=1

Dimensional drawing



The illustration shows the 5-pos. version

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