

PCB terminal block - LPT 2,5/ 2-5,0 - 1190297

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PCB terminal block, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm², Number of potentials: 2, Number of rows: 1, Number of positions per row: 2, product range: LPT 2,5/, pitch: 5 mm, connection method: Lever Push-in connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear double pinning, Solder pin [P]: 3.5 mm, type of packaging: packed in cardboard

The figure shows an 10-position version

Your advantages

- ✓ Tool-free lever principle enables time-saving connection and release of conductors with/without ferrules
- ✓ Clear lever positions provide reliable feedback on opened or closed clamping spaces
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Time-saving push-in connection when lever is closed
- ✓ Intuitive operation, thanks to a color-coded actuation lever



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| GTIN | |
| GTIN | 4063151239701 |
| Weight per Piece (excluding packing) | 2.220 g |
| Sales Key | AAACBA |

Technical data

Item properties

| | |
|---------------------------|-----------------------|
| Brief article description | PCB terminal block |
| Range of articles | LPT 2,5/ |
| Pitch | 5 mm |
| Number of positions | 2 |
| Mounting type | Wave soldering |
| Pin layout | Linear double pinning |
| Number of levels | 1 |

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Technical data

Item properties

| | |
|-----------------------|---|
| Number of connections | 2 |
| Number of potentials | 2 |

Electrical parameters

| | |
|-----------------------------|-------|
| Nominal current | 24 A |
| Nom. voltage | 400 V |
| Rated voltage (III/3) | 320 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 630 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |

Connection capacity

| | |
|---|---|
| Connection method | Lever Push-in connection |
| Conductor cross section solid | 0.2 mm ² ... 4 mm ² (Conductor connection with open terminal point) 0.5 mm ² ... 4 mm ² (Push-in connection) |
| Conductor cross section flexible | 0.2 mm ² ... 4 mm ² |
| Conductor cross section AWG / kcmil | 24 ... 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve | 0.2 mm ² ... 2.5 mm ² (Conductor connection with open terminal point) |
| Conductor cross section, flexible, with ferrule, with plastic sleeve | 0.2 mm ² ... 2.5 mm ² (Conductor connection with open terminal point) |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1.5 mm ² |
| Stripping length | 10 mm ... 12 mm |

Material data - contact

| | |
|--|---|
| Note | WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201 |
| Contact material | Cu alloy |
| Surface characteristics | Tin-plated |
| Metal surface terminal point (top layer) | Tin (10 - 16 µm Sn) |
| Metal surface soldering area (top layer) | Tin (10 - 16 µm Sn) |

Material data - housing

| | |
|---|--------------|
| Housing color | green (6021) |
| Insulating material | PA |
| Insulating material group | I |
| CTI according to IEC 60112 | 600 |
| Flammability rating according to UL 94 | V0 |
| Glow wire flammability index GWFI according to EN 60695-2-12 | 850 |
| Glow wire ignition temperature GWIT according to EN 60695-2-13 | 775 |
| Temperature for the ball pressure test according to EN 60695-10-2 | 125 °C |

Dimensions for the product

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Dimensions for the product

| | |
|-----------------------------|--|
| Caption | Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center |
| Length [l] | 17.8 mm |
| Width [w] | 11.5 mm |
| Height [h] | 20.24 mm |
| Pitch | 5 mm |
| Height (without solder pin) | 16.64 mm |
| Solder pin [P] | 3.5 mm |

Dimensions for PCB design

| | |
|---------------|--------|
| Hole diameter | 1.3 mm |
|---------------|--------|

Packaging information

| | |
|----------------------------|---------------------|
| Type of packaging | packed in cardboard |
| Pieces per package | 100 |
| Denomination packing units | Pcs. |

General product information

| | |
|--------------|--|
| Type of note | Note on the status of the technical data |
| Note | These technical data are expected. Final tests to be done. |

Ambient conditions

| | |
|---|---|
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly) | -5 °C ... 100 °C |
| Ambient temperature (operation) | -40 °C ... 105 °C (Depending on the current carrying capacity/derating curve) |

Electrical tests

| | |
|-----------------------------|-------------------|
| Rated current | 24 A |
| Conductor cross section | 4 mm ² |
| Rated voltage (III/2) | 400 V |
| Rated surge voltage (III/2) | 4 kV |

Air clearances and creepage distances

| | |
|---|-----------------------|
| Clearances and creepage distances | IEC 60947-7-4:2019-01 |
| Specification | IEC 60947-7-4:2019-01 |
| Minimum clearance - inhomogeneous field (III/3) | 3 mm |
| Minimum clearance - inhomogeneous field (III/2) | 3 mm |
| Minimum clearance - inhomogeneous field (II/2) | 3 mm |
| Minimum creepage distance value (III/3) | 4 mm |
| Minimum creepage distance value (III/2) | 3 mm |
| Minimum creepage distance value (II/2) | 3.2 mm |

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Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27440401 |
| eCl@ss 11.0 | 27460101 |
| eCl@ss 9.0 | 27440401 |