# PCB terminal block - MPT 0,5/ 2-2,54 - 1725656

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The figure shows a 10-position version of the product

PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.54 mm, Number of positions: 2, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green

## Product Features

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Extremely small design for the respective conductor cross section

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| GTIN | 4 017918 106386 |
| Weight per Piece (excluding packing) | 0.64 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length | 6.2 mm |
| Pitch | 2.54 mm |
| Dimension a | 2.54 mm |
| Constructional height | 9 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 0,5 x 0,9 mm |
| Hole diameter | 1.1 mm |

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## Technical data

### General

| | |
|---|---|
| Range of articles | MPT 0,5 |
| Insulating material group | I |
| Rated surge voltage (III/3) | 1.5 kV |
| Rated surge voltage (III/2) | 1.5 kV |
| Rated surge voltage (II/2) | 2.5 kV |
| Rated voltage (III/3) | 63 V |
| Rated voltage (III/2) | 160 V |
| Rated voltage (II/2) | 320 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 6 A |
| Nominal cross section | 0.5 mm² |
| Maximum load current | 6 A |
| Insulating material | PA |
| Solder pin surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 4.5 mm |
| Number of positions | 2 |
| Screw thread | M1,6 |
| Tightening torque, min | 0.12 Nm |
| Tightening torque max | 0.15 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.14 mm² |
| Conductor cross section solid max. | 0.5 mm² |
| Conductor cross section flexible min. | 0.14 mm² |
| Conductor cross section flexible max. | 0.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.34 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 0.34 mm² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 20 |
| 2 conductors with same cross section, solid min. | 0.14 mm² |
| 2 conductors with same cross section, solid max. | 0.34 mm² |
| 2 conductors with same cross section, stranded min. | 0.14 mm² |
| 2 conductors with same cross section, stranded max. | 0.34 mm² |

### Standards and Regulations

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## Technical data

### Standards and Regulations

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

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141109 |
| 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 |

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

# PCB terminal block - MPT 0,5/ 2-2,54 - 1725656

## Approvals

Approvals submitted

### Approval details

CSA

| | B |
|---|---|
| mm²/AWG/kcmil | 28-20 |
| Nominal current IN | 6 A |
| Nominal voltage UN | 125 V |

UL Recognized

| | B |
|---|---|
| mm²/AWG/kcmil | 30-20 |
| Nominal current IN | 6 A |
| Nominal voltage UN | 125 V |

cUL Recognized

| | B |
|---|---|
| mm²/AWG/kcmil | 30-20 |
| Nominal current IN | 6 A |
| Nominal voltage UN | 125 V |

EAC

cULus Recognized

## Drawings

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Drilling diagram

The 2 and 3-pos. versions have an additional locating pin (1.5 mm long) to support the mechanical load.

Dimensional drawing