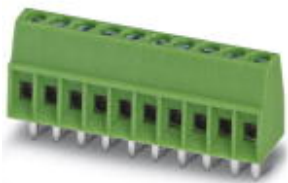


## PCB terminal block - MPT 0,5/ 3-2,54 - 1725669

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PCB terminal block, Nominal current: 6 A, Nom. voltage: 160 V, Pitch: 2.54 mm, Number of positions: 3, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: green




The figure shows a 10-position version of the product

### Why buy this product

- Single-row type with horizontal connection direction
- Use in miniature modules with high contact density
- MICRO PCB terminal block with 2.54 mm IC pitch



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 250 pc  |
| GTIN                                 | <br>4 017918 116262 |
| Weight per Piece (excluding packing) | 0.61 g  |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 6.2 mm       |
| Pitch                    | 2.54 mm      |
| Dimension a              | 5.08 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       |

#### General

|                             |         |
|-----------------------------|---------|
| Range of articles           | MPT 0,5 |
| Insulating material group   | I       |
| Rated surge voltage (III/3) | 1.5 kV  |

# PCB terminal block - MPT 0,5/ 3-2,54 - 1725669

## Technical data

### General

|  |                     |
|--|---------------------|
| 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 <sub>N</sub>         | 6 A                 |
| Nominal cross section                  | 0.5 mm <sup>2</sup> |
| 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                    | 3                   |
| 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 mm <sup>2</sup> |
| Conductor cross section solid max.   | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.34 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.34 mm <sup>2</sup> |
| Conductor cross section AWG min.   | 26                   |
| Conductor cross section AWG max.   | 20                   |
| 2 conductors with same cross section, solid min.                           | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 0.34 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded min.                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                        | 0.34 mm <sup>2</sup> |

### Standards and Regulations

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

# PCB terminal block - MPT 0,5/ 3-2,54 - 1725669

## 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

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

|                            |       |
|----------------------------|-------|
| CSA                        |       |
|                            | B     |
| mm <sup>2</sup> /AWG/kcmil | 28-20 |
| Nominal current IN         | 6 A   |

# PCB terminal block - MPT 0,5/ 3-2,54 - 1725669

## Approvals

|                    |       |
|--------------------|-------|
|                    | B     |
| Nominal voltage UN | 125 V |

|                                |       |
|--------------------------------|-------|
| UL Recognized                  |       |
|                                | B     |
| mm <sup>2</sup> /AWG/kcmil     | 30-20 |
| Nominal current I <sub>N</sub> | 6 A   |
| Nominal voltage UN             | 125 V |

|                                |       |
|--------------------------------|-------|
| cUL Recognized                 |       |
|                                | B     |
| mm <sup>2</sup> /AWG/kcmil     | 30-20 |
| Nominal current I <sub>N</sub> | 6 A   |
| Nominal voltage UN             | 125 V |

|     |
|-----|
| EAC |
|-----|

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

## Accessories

### Accessories

#### Labeled terminal marker

Marker card - SK 2,54/2,8:FORTL.ZAHLEN - 0804853



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 99, Mounting type: Adhesive, for terminal block width: 2.54 mm, Lettering field: 2.54 x 2.8 mm

### Screwdriver tools

# PCB terminal block - MPT 0,5/ 3-2,54 - 1725669

## Accessories

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

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## Terminal marking

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883

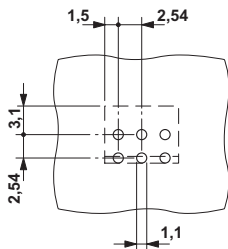


Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 2.8 mm

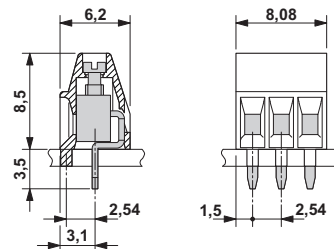
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## Drawings

Drilling diagram



Dimensional drawing



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