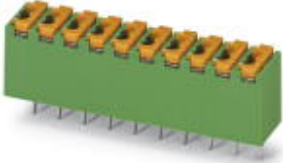


## PCB terminal block - FK-MPT 0,5/ 4-3,5 - 1891085

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PCB terminal block, Nominal current: 4 A, Nom. voltage: 250 V, Pitch: 3.5 mm, Number of positions: 4, Connection method: Push-in spring connection, Mounting: Wave soldering, Conductor/PCB connection direction: 90 °, Color: green



The figure shows a 10-position version of the product

### Product Features

- Miniature connection terminal for solid conductors
- More user friendly thanks to direct plug-in technology with release button
- Potentials can be easily looped through thanks to the double connection



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 50 pc    |
| Weight per Piece (excluding packing) | 1.62 g   |
| Custom tariff number                 | 85369010 |
| Country of origin                    | Germany  |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 7 mm         |
| Pitch                    | 3.50 mm      |
| Dimension a              | 10.5 mm      |
| Width                    | 14.5 mm      |
| Constructional height    | 12.4 mm      |
| Height                   | 15.9 mm      |
| Length of the solder pin | 3.5 mm       |
| Pin dimensions           | 0,4 x 0,9 mm |
| Hole diameter            | 1 mm         |

## PCB terminal block - FK-MPT 0,5/ 4-3,5 - 1891085

### Technical data

#### General

|  |  |
|--|--|
| Range of articles                      | FK-MPT 0,5/...-V                                       |
| Insulating material group              | IIIa   |
| Rated surge voltage (III/3)            | 2.5 kV   |
| Rated surge voltage (III/2)            | 2.5 kV   |
| Rated surge voltage (II/2)             | 2.5 kV   |
| Rated voltage (III/3)                  | 160 V  |
| Rated voltage (III/2)                  | 250 V  |
| Rated voltage (II/2)                   | 250 V  |
| Connection in acc. with standard       | EN-VDE   |
| Nominal current I <sub>N</sub>         | 4 A  |
| Nominal cross section                  | 0.5 mm <sup>2</sup>                                    |
| Maximum load current                   | 4 A (with 0.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PBT  |
| Solder pin surface                     | Sn   |
| Flammability rating according to UL 94 | V0   |
| Stripping length                       | 6.5 mm   |
| Number of positions                    | 4  |

#### Connection data

|                                    |                      |
|------------------------------------|----------------------|
| Conductor cross section solid min. | 0.12 mm <sup>2</sup> |
| Conductor cross section solid max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.   | 26                   |
| Conductor cross section AWG max.   | 20                   |

#### 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 |

# PCB terminal block - FK-MPT 0,5/ 4-3,5 - 1891085

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| 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     | 34131203 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121432 |

## Approvals

### Approvals

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#### Approvals

UL Recognized / SEV / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

|   |       |       |
|---|-------|-------|
| UL Recognized  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 28-20 | 28-20 |
| Nominal current I <sub>N</sub>  | 4 A   | 4 A   |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |

# PCB terminal block - FK-MPT 0,5/ 4-3,5 - 1891085

## Approvals

|                                |       |
|--------------------------------|-------|
| SEV                            |       |
| mm <sup>2</sup> /AWG/kcmil     | 0.5   |
| Nominal current I <sub>N</sub> | 3 A   |
| Nominal voltage U <sub>N</sub> | 160 V |

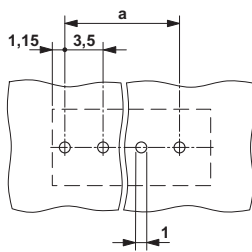
|                                |       |       |
|--------------------------------|-------|-------|
| cUL Recognized                 |       |       |
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 28-20 | 28-20 |
| Nominal current I <sub>N</sub> | 4 A   | 4 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

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

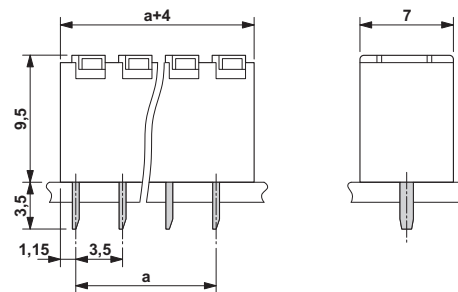
|                  |
|------------------|
| cULus Recognized |
|------------------|

## Drawings

Drilling diagram



Dimensional drawing



# PCB terminal block - FK-MPT 0,5/ 4-3,5 - 1891085

Diagram

