

## PCB terminal block - FK-MPT 0,5/ 8-ST-3,5 - 1913989

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PCB connector, nominal current: 4 A, rated voltage (III/2): 250 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 8, pitch: 3.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

### Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Intuitive use through colour coded actuation lever
- ✓ Potentials can be easily looped through – ideal for BUS applications
- ✓ Small component size for applications where space is at a premium



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                                   |
| GTIN         | <br>4 017918 176891 |
| GTIN         | 4017918176891                                                                                           |

### Technical data

#### Item properties

|                           |                           |
|---------------------------|---------------------------|
| Brief article description | PCB connector             |
| Plug-in system            | COMBICON COMPACT PST 1    |
| Type of contact           | Female connector          |
| Range of articles         | FK-MPT 0,5/...-ST         |
| Pitch                     | 3.5 mm                    |
| Number of positions       | 8                         |
| Connection method         | Push-in spring connection |
| Locking                   | without                   |
| Number of levels          | 1                         |
| Number of connections     | 16                        |

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## Technical data

### Item properties

|                      |   |
|----------------------|---|
| Number of potentials | 8 |
|----------------------|---|

### Electrical parameters

|                             |        |
|-----------------------------|--------|
| Nominal current             | 4 A    |
| Nom. voltage                | 250 V  |
| Rated voltage               | 160 V  |
| Rated voltage (III/2)       | 250 V  |
| Rated voltage (II/2)        | 250 V  |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (II/2)  | 2.5 kV |

### Connection capacity

|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Connection method                   | Push-in spring connection                    |
| pluggable                           | Yes                                          |
| Conductor cross section solid       | 0.12 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> |
| Conductor cross section AWG / kcmil | 26 ... 20                                    |
| Stripping length                    | 6.5 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 | hot-dip tin-plated                                                                |

### Material data - housing

|                                        |              |
|----------------------------------------|--------------|
| Housing color                          | green (6021) |
| Insulating material                    | PBT          |
| Insulating material group              | IIIa         |
| CTI according to IEC 60112             | 225          |
| Flammability rating according to UL 94 | V0           |

### Dimensions for the product

|                             |         |
|-----------------------------|---------|
| Length [ l ]                | 9.5 mm  |
| Width [ w ]                 | 28.5 mm |
| Height [ h ]                | 8.5 mm  |
| Pitch                       | 3.5 mm  |
| Height (without solder pin) | 8.5 mm  |

### Packaging information

|                            |                     |
|----------------------------|---------------------|
| Type of packaging          | packed in cardboard |
| Pieces per package         | 50                  |
| Denomination packing units | Pcs.                |

### Environmental Product Compliance

# PCB terminal block - FK-MPT 0,5/ 8-ST-3,5 - 1913989

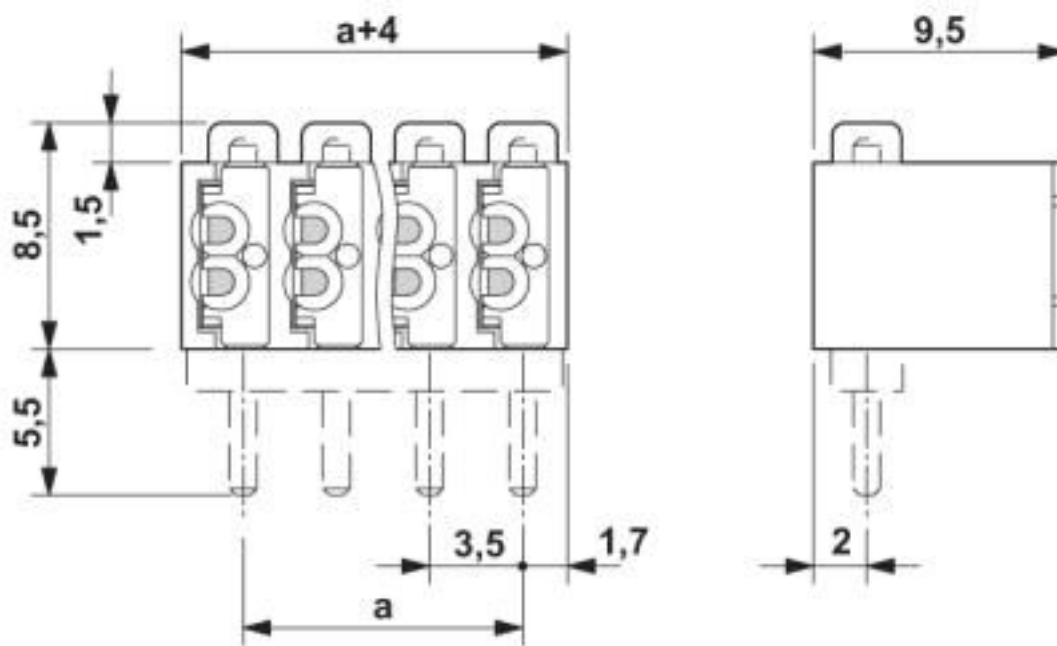
## Technical data

### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

Dimensional drawing



## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440309 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |
| eCl@ss 7.0    | 27440309 |
| eCl@ss 8.0    | 27440309 |
| eCl@ss 9.0    | 27440309 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC002638 |
| ETIM 7.0 | EC002638 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11     | 34131203 |
| UNSPSC 12.01  | 39121432 |
| UNSPSC 13.2   | 39121409 |
| UNSPSC 18.0   | 39121409 |
| UNSPSC 19.0   | 39121409 |
| UNSPSC 20.0   | 39121409 |
| UNSPSC 21.0   | 39121409 |

## Approvals


### Approvals


#### Approvals

UL Recognized / cUL Recognized / SEV / EAC / IECCE CB Scheme / cULus Recognized

#### Ex Approvals

### Approval details

|                            |                                                                                     |                                                                                                                                                       |              |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| UL Recognized              |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B                                                                                   | D                                                                                                                                                     |              |
| Nominal voltage UN         | 300 V                                                                               | 300 V                                                                                                                                                 |              |
| Nominal current IN         | 4 A                                                                                 | 4 A                                                                                                                                                   |              |
| mm <sup>2</sup> /AWG/kcmil | 28-20                                                                               | 28-20                                                                                                                                                 |              |

|                            |                                                                                     |                                                                                                                                                       |              |
|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| cUL Recognized             |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B                                                                                   | D                                                                                                                                                     |              |
| Nominal voltage UN         | 300 V                                                                               | 300 V                                                                                                                                                 |              |
| Nominal current IN         | 4 A                                                                                 | 4 A                                                                                                                                                   |              |
| mm <sup>2</sup> /AWG/kcmil | 28-20                                                                               | 28-20                                                                                                                                                 |              |

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## Approvals

|                            |  |                                                                       |         |
|----------------------------|--|-----------------------------------------------------------------------|---------|
| SEV                        |  | <a href="https://www.eurofins.ch/de/">https://www.eurofins.ch/de/</a> | IK-4496 |
| Nominal voltage UN         |  | 250 V                                                                 |         |
| Nominal current IN         |  | 4 A                                                                   |         |
| mm <sup>2</sup> /AWG/kcmil |  | 0.12-5                                                                |         |

|     |  |  |         |
|-----|--|--|---------|
| EAC |  |  | B.01687 |
|-----|--|--|---------|

|                            |  |                                                           |          |
|----------------------------|--|-----------------------------------------------------------|----------|
| IECEE CB Scheme            |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-10786 |
| Nominal voltage UN         |  | 250 V                                                     |          |
| Nominal current IN         |  | 4 A                                                       |          |
| mm <sup>2</sup> /AWG/kcmil |  | 0.12-5                                                    |          |

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

## Accessories

### Accessories

#### Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

## Additional products

## PCB terminal block - FK-MPT 0,5/ 8-ST-3,5 - 1913989

### Accessories

Pin strip - PST 1,0/ 8-3,5 R56 - 1720275



Pin strip, nominal current: 8 A, rated voltage (III/2): 250 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 8, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 3.8 mm, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

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Pin strip - PST 1,0/ 8-3,5 - 1945151



Pin strip, nominal current: 8 A, rated voltage (III/2): 250 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 8, pitch: 3.5 mm, color: black, contact surface: Tin, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 3.8 mm, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

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[PVP02-5,00](#) [PVP03-3,50](#) [PVP04-3,50](#) [PVS02-5,00](#) [1-1986160-3](#) [1377680000](#) [1531000000](#) [1546228-5](#) [ELFH16150](#) [ELFP03110](#)  
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