

# Printed-circuit board connector - FK-MCP 1,5/ 6-ST-3,81

## BD:1-6 - 1728332

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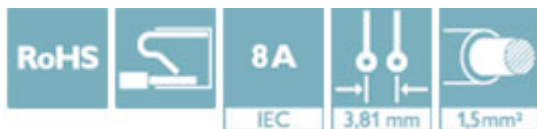
PCB connector, nominal current: 8 A, number of positions: 6, pitch: 3.81 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



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
- ✓ Operation and conductor connection from one direction enable integration into front of device
- ✓ Quick and convenient testing using integrated test option



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356144032 |

### Technical data

#### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 21 mm    |
| Width [ w ]  | 23.65 mm |
| Height [ h ] | 12.4 mm  |
| Pitch        | 3.81 mm  |
| Dimension a  | 19.05 mm |

#### General

|                     |                   |
|---------------------|-------------------|
| Range of articles   | FK-MCP 1,5/...-ST |
| Number of positions | 6                 |

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## Technical data

### General

|                                  |                           |
|----------------------------------|---------------------------|
| Connection method                | Push-in spring connection |
| Rated voltage (III/3)            | 160 V                     |
| Connection in acc. with standard | EN-VDE                    |
| Nominal current $I_N$            | 8 A                       |
| Nominal cross section            | 1.5 mm <sup>2</sup>       |

### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 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. | 1.5 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.    | 0.75 mm <sup>2</sup> |
| Conductor cross section AWG min.                                           | 26                   |
| Conductor cross section AWG max.                                           | 16                   |
| Minimum AWG according to UL/CUL                                            | 28                   |
| Maximum AWG according to UL/CUL                                            | 16                   |

### Specifications for ferrules

|                                                              |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| Recommended crimping pliers                                  | 1212034 CRIMPFOX 6                                          |
| Ferrules without insulating collar, according to DIN 46228-1 | Cross section: 0.25 mm <sup>2</sup> ; Length: 7 mm ... 9 mm |
|                                                              | Cross section: 0.34 mm <sup>2</sup> ; Length: 7 mm ... 9 mm |
|                                                              | Cross section: 0.5 mm <sup>2</sup> ; Length: 8 mm ... 9 mm  |
|                                                              | Cross section: 0.75 mm <sup>2</sup> ; Length: 8 mm ... 9 mm |
|                                                              | Cross section: 1 mm <sup>2</sup> ; Length: 8 mm ... 9 mm    |
|                                                              | Cross section: 1.5 mm <sup>2</sup> ; Length: 8 mm ... 9 mm  |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CSA    |

### Environmental Product Compliance

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

## Approvals

### Approvals

# Printed-circuit board connector - FK-MCP 1,5/ 6-ST-3,81 BD:1-6 - 1728332

## Approvals

### Approvals

CSA / IECCEB CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

### Ex Approvals

### Approval details

|                    |                                                                                   |                                                                                                                                         |       |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 13631 |
|                    |                                                                                   | B                                                                                                                                       |       |
| Nominal voltage UN |                                                                                   | 300 V                                                                                                                                   |       |
| Nominal current IN |                                                                                   | 8 A                                                                                                                                     |       |
| mm²/AWG/kcmil      |                                                                                   | 28-16                                                                                                                                   |       |

|                    |                                                                                     |                                                           |                |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-60987-B1B2 |
|                    |                                                                                     |                                                           |                |
| Nominal voltage UN |                                                                                     | 160 V                                                     |                |
| Nominal current IN |                                                                                     | 8 A                                                       |                |
| mm²/AWG/kcmil      |                                                                                     | 0.2-1.5                                                   |                |

|                                            |                                                                                     |                                                                                                                                                                                                                |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/<br/>VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40011723 |
|                                            |                                                                                     |                                                                                                                                                                                                                |          |
| Nominal voltage UN                         |                                                                                     | 160 V                                                                                                                                                                                                          |          |
| Nominal current IN                         |                                                                                     | 8 A                                                                                                                                                                                                            |          |
| mm²/AWG/kcmil                              |                                                                                     | 0.2-1.5                                                                                                                                                                                                        |          |

|     |                                                                                     |  |         |
|-----|-------------------------------------------------------------------------------------|--|---------|
| EAC |  |  | B.01742 |
|-----|-------------------------------------------------------------------------------------|--|---------|

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### Approvals

|                                                                                                                                                                                                                                                                          |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| cULus 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> E60425-19920306 |       |
|                                                                                                                                                                                                                                                                          | B     |
| Nominal voltage UN                                                                                                                                                                                                                                                       | 300 V |
| Nominal current IN                                                                                                                                                                                                                                                       | 8 A   |
| mm <sup>2</sup> /AWG/kcmil                                                                                                                                                                                                                                               | 28-16 |

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