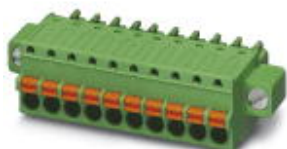


# Printed-circuit board connector - FK-MCP 1,5/ 6-STF-3,81BUBD6-1Q - 1925016

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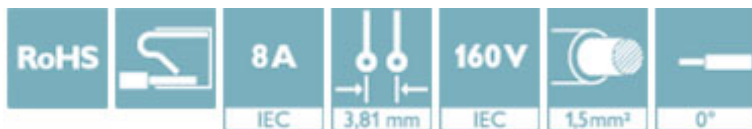
PCB connector, nominal current: 8 A, rated voltage (III/2): 160 V, number of positions: 6, pitch: 3.81 mm, connection method: Push-in spring connection, color: blue, contact surface: Tin



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
- ✓ Screwable flange for superior mechanical stability
- ✓ Quick and convenient testing using integrated test option



## Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                |
| GTIN         |  |
| GTIN         | 4017918588007                                                                        |

## Technical data

### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 20.8 mm  |
| Width [ w ]  | 33.25 mm |
| Height [ h ] | 12.4 mm  |
| Pitch        | 3.81 mm  |
| Dimension a  | 19.05 mm |

### General

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

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## Technical data

### General

|                                        |                                                        |
|----------------------------------------|--------------------------------------------------------|
| Connection method                      | Push-in spring connection                              |
| Insulating material group              | I                                                      |
| 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)                  | 160 V                                                  |
| Rated voltage (II/2)                   | 320 V                                                  |
| Connection in acc. with standard       | EN-VDE                                                 |
| Nominal current $I_N$                  | 8 A                                                    |
| Nominal cross section                  | 1.5 mm <sup>2</sup>                                    |
| Maximum load current                   | 8 A (with 1.5 mm <sup>2</sup> conductor cross section) |
| Insulating material                    | PA                                                     |
| Flammability rating according to UL 94 | V0                                                     |
| Internal cylindrical gage              | A1                                                     |
| Stripping length                       | 9 mm                                                   |

### 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

# Printed-circuit board connector - FK-MCP 1,5/ 6-STF-3,81BUBD6-1Q - 1925016

## Technical data

### Standards and Regulations

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

### Environmental Product Compliance

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

## Approvals

### Approvals

#### Approvals

CSA / IECCE 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                                                   |                |

## Printed-circuit board connector - FK-MCP 1,5/ 6-STF-3,81BUBD6-1Q - 1925016

### Approvals

|                                            |                                                                                   |                                                                                                                                                                                                                |          |
|--------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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 |
|-----|-----------------------------------------------------------------------------------|---------|

|                    |  |                                                                                    |                                                                                                                                                       |                 |
|--------------------|--|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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 |  |                                                                                    |                                                                                                                                                       |                 |
| Nominal current IN |  |                                                                                    |                                                                                                                                                       |                 |
| mm²/AWG/kcmil      |  |                                                                                    |                                                                                                                                                       |                 |

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