

# Printed-circuit board connector - FKC 2,5/ 3-ST-5,08 BD:3-1SO - 1938139

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PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5.08 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
- ✓ Intuitive use through colour coded actuation lever
- ✓ Quick and convenient testing using integrated test option
- ✓ Can be combined with the MSTB 2,5 range



## Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 50 pc                                                                                |
| GTIN         |  |
| GTIN         | 4017918813321                                                                        |

## Technical data

### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 10.16 mm |

### General

|                             |                           |
|-----------------------------|---------------------------|
| Range of articles           | FKC 2,5/...-ST            |
| Number of positions         | 3                         |
| Connection method           | Push-in spring connection |
| Rated surge voltage (III/3) | 4 kV                      |
| Rated surge voltage (III/2) | 4 kV                      |
| Rated surge voltage (II/2)  | 4 kV                      |

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## Technical data

### General

|                                  |                     |
|----------------------------------|---------------------|
| Rated voltage (III/3)            | 320 V               |
| Rated voltage (III/2)            | 320 V               |
| Rated voltage (II/2)             | 630 V               |
| Connection in acc. with standard | EN-VDE              |
| Nominal current $I_N$            | 12 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |
| Internal cylindrical gage        | A2                  |
| Stripping length                 | 10 mm               |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 2.5 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.              | 2.5 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.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                                        | 24                   |
| Conductor cross section AWG max.                                                        | 12                   |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm <sup>2</sup>  |
| Minimum AWG according to UL/CUL                                                         | 26                   |
| Maximum AWG according to UL/CUL                                                         | 12                   |

### Standards and Regulations

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

### Environmental Product Compliance

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

## Approvals

### Approvals

#### Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

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## Approvals

Ex Approvals

### Approval details

|                    |                                                                                   |                                                           |                   |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-56062-M1-B1B2 |
| Nominal voltage UN | 250 V                                                                             |                                                           |                   |
| Nominal current IN | 12 A                                                                              |                                                           |                   |
| mm²/AWG/kcmil      | 0.2-2.5                                                                           |                                                           |                   |

|                                            |                                                                                    |                                                                                                                                                                                                                |          |
|--------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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> | 40004701 |
| Nominal voltage UN                         | 250 V                                                                              |                                                                                                                                                                                                                |          |
| Nominal current IN                         | 12 A                                                                               |                                                                                                                                                                                                                |          |
| mm²/AWG/kcmil                              | 0.2-2.5                                                                            |                                                                                                                                                                                                                |          |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| 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> | E60425-19931011 |
|                    | D                                                                                   | B                                                                                                                                                     |                 |
| Nominal voltage UN | 300 V                                                                               | 300 V                                                                                                                                                 |                 |
| Nominal current IN | 10 A                                                                                | 10 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 26-12                                                                               | 26-12                                                                                                                                                 |                 |

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