



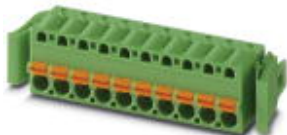
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# Printed-circuit board connector - FKC 2,5/13-ST-RF - 1947162

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 13, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin, Article with self-locking flange



The figure shows a 10-position version of the product

## Why buy this product

- Can be combined with the MSTB 2,5 range
- For larger numbers of positions up to 24-pos., visit: [phoenixcontact.net/products](http://phoenixcontact.net/products)
- Fast conductor connection thanks to Push-in spring-cage connection
- Contacting of solid or stranded conductors with ferrules without actuating the opening lever directly in the terminal point
- Two test connections for accommodating 2 mm Ø test pins or 2.3 mm Ø test plug

## Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 50 STK                                                                                                  |
| GTIN         | <br>4 017918 891787 |

## Technical data

### Dimensions

|             |         |
|-------------|---------|
| Pitch       | 5.00 mm |
| Dimension a | 60 mm   |

### General

|                                  |                     |
|----------------------------------|---------------------|
| Range of articles                | FKC 2,5/..-ST-RF    |
| Insulating material group        | I                   |
| Rated surge voltage (III/3)      | 4 kV                |
| Rated surge voltage (III/2)      | 4 kV                |
| Rated surge voltage (II/2)       | 4 kV                |
| Rated voltage (III/3)            | 250 V               |
| Rated voltage (III/2)            | 320 V               |
| Rated voltage (II/2)             | 630 V               |
| Connection in acc. with standard | EN-VDE              |
| Nominal current I <sub>N</sub>   | 12 A                |
| Nominal cross section            | 2.5 mm <sup>2</sup> |

# Printed-circuit board connector - FKC 2,5/13-ST-RF - 1947162

## Technical data

### General

|                                        |       |
|----------------------------------------|-------|
| Maximum load current                   | 12 A  |
| Insulating material                    | PA    |
| Flammability rating according to UL 94 | V0    |
| Internal cylindrical gage              | A2    |
| Stripping length                       | 10 mm |
| Number of positions                    | 13    |

### 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    |
| Flammability rating according to UL 94 | V0     |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440309 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
|----------|----------|

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

## Approvals

### Approvals


#### Approvals


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

#### Ex Approvals

#### Approvals submitted

## Approval details

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm <sup>2</sup> /AWG/kcmil                                                                                                  | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                                              | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                                              | 250 V   |

|                                                                                                     |         |
|-----------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm <sup>2</sup> /AWG/kcmil                                                                          | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                      | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                      | 250 V   |

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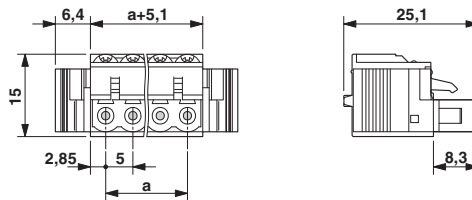
## Approvals

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

| cULus Recognized               |       |       |
|--------------------------------|-------|-------|
|                                | B     | D     |
| mm <sup>2</sup> /AWG/kcmil     | 26-12 | 26-12 |
| Nominal current I <sub>N</sub> | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

## Drawings

Dimensional drawing



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| Product                                                                                                                                                                                                                       | Code    | Reference        | Product link               |
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