

# Printed-circuit board connector - FKIC 2,5/12-ST-5,08-RN - 1925964

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin, Article with engagement nose




The figure shows a 10-position version of the product

## Why buy this product

- Can be combined with inverted base strips and plugs for shock-proof applications
- Plug with inverted contact system (pin contact)
- SK 5/3,8 or SK 5,08/3,8 marker cards



## Key commercial data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 50 pc   |
| Minimum order quantity               | 50 pc   |
| GTIN                                 | <br>4 017918 820022 |
| Weight per Piece (excluding packing) | 18.98 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

## Technical data

### Dimensions

|             |          |
|-------------|----------|
| Pitch       | 5.08 mm  |
| Dimension a | 55.88 mm |

### General

|                             |                    |
|-----------------------------|--------------------|
| Range of articles           | FKIC 2,5/...-ST-RN |
| 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)       | 320 V              |
| Rated voltage (III/2)       | 320 V              |

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## Technical data

### General

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

### 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 stranded min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section stranded max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| Conductor cross section AWG/kcmil min.  | 24                   |
| Conductor cross section AWG/kcmil 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 mm <sup>2</sup>    |
| Minimum AWG according to UL/CUL   | 26                   |
| Maximum AWG according to UL/CUL   | 12                   |

## 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 |

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## Classifications

### ETIM

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


UL Recognized / cUL Recognized / VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / cUL Recognized / CCA / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details

|   |       |       |
|---|-------|-------|
| UL 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 |

|  |       |       |
|--|-------|-------|
| cUL Recognized  |       |       |
|  | B     | D     |
| mm <sup>2</sup> /AWG/kcmil   | 26-12 | 26-12 |
| Nominal current I <sub>N</sub>   | 10 A  | 10 A  |

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## Approvals

|                    |       |       |
|--------------------|-------|-------|
|                    | B     | D     |
| Nominal voltage UN | 300 V | 300 V |

VDE Gutachten mit Fertigungsüberwachung

|                            |         |
|----------------------------|---------|
|                            |         |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
| Nominal current IN         | 12 A    |
| Nominal voltage UN         | 250 V   |

IECEE CB Scheme

|                            |         |
|----------------------------|---------|
|                            |         |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
| Nominal current IN         | 12 A    |
| Nominal voltage UN         | 250 V   |

cUL Recognized

|                            |       |       |
|----------------------------|-------|-------|
|                            | B     | D     |
| mm <sup>2</sup> /AWG/kcmil | 26-12 | 26-12 |
| Nominal current IN         | 10 A  | 10 A  |
| Nominal voltage UN         | 250 V | 300 V |

CCA

|                            |         |
|----------------------------|---------|
|                            |         |
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
| Nominal current IN         | 12 A    |
| Nominal voltage UN         | 250 V   |

EAC

cULus Recognized

## Accessories

Accessories

Coding element

## Printed-circuit board connector - FKIC 2,5/12-ST-5,08-RN - 1925964

### Accessories

Coding star - CR-MSTB - 1734401



Coding section, inserted into the recess in the header or the inverted plug, red insulating material

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Test plug terminal block

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

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Strain relief - STZ 8-FKC-5,08 - 1876880

Strain relief for snapping into the latching chambers of the plug components, 8-pos.

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Strain relief - STZ 4-FKC-5,08 - 1876877



Strain relief for snapping into the latching chambers of the plugs, 4-pos.

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### Drawings

# Printed-circuit board connector - FKIC 2,5/12-ST-5,08-RN - 1925964

Dimensioned drawing

