

## Printed-circuit board connector - FKIC 2,5/ 7-STF - 1910872

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin



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                                 |  |
| Weight per Piece (excluding packing) | 9.33 g                                                                               |
| Custom tariff number                 | 85366990                                                                             |
| Country of origin                    | Germany                                                                              |
| Note                                 | Made to Order (non-returnable)                                                       |

### Technical data

#### Dimensions

|             |       |
|-------------|-------|
| Pitch       | 5 mm  |
| Dimension a | 30 mm |

#### General

|                             |                  |
|-----------------------------|------------------|
| Range of articles           | FKIC 2,5/...-STF |
| 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            |

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## Technical data

### General

|                                         |                     |
|-----------------------------------------|---------------------|
| 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> |
| 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                     | 7                   |

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

#### Ex Approvals

#### Approvals submitted

### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | D     |
| mm²/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 |

|                                                                                                                             |         |
|-----------------------------------------------------------------------------------------------------------------------------|---------|
| VDE Gutachten mit Fertigungsüberwachung  |         |
| mm²/AWG/kcmil                                                                                                               | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                                              | 12 A    |

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### Approvals

|                    |       |
|--------------------|-------|
| Nominal voltage UN | 250 V |
|--------------------|-------|

|                                                                                                  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                  | B     | D     |
| mm²/AWG/kcmil                                                                                    | 26-12 | 26-12 |
| Nominal current IN                                                                               | 10 A  | 10 A  |
| Nominal voltage UN                                                                               | 300 V | 300 V |

|                                                                                                   |         |
|---------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm²/AWG/kcmil                                                                                     | 0.2-2.5 |
| Nominal current IN                                                                                | 12 A    |
| Nominal voltage UN                                                                                | 250 V   |

|                                                                                                    |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                    | B     | D     |
| mm²/AWG/kcmil                                                                                      | 26-12 | 26-12 |
| Nominal current IN                                                                                 | 10 A  | 10 A  |
| Nominal voltage UN                                                                                 | 250 V | 300 V |

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

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

|                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cULus Recognized   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Drawings

## Printed-circuit board connector - FKIC 2,5/ 7-STF - 1910872

Dimensioned drawing

