

## Printed-circuit board connector - FKCS 2,5/ 3-ST - 1974740

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Product Features

- ✓ For larger numbers of positions up to 24-pos., visit: [phoenixcontact.net/products](http://phoenixcontact.net/products)
- ✓ With actuation shaft for screwdriver, user-friendly "two-hand operation"
- ✓ Fast conductor connection thanks to Push-in spring-cage connection



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| Minimum order quantity               | 50 pc                                                                                                   |
| GTIN                                 | <br>4 017918 971106 |
| Weight per Piece (excluding packing) | 5.35 GRM                                                                                                |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|             |       |
|-------------|-------|
| Pitch       | 5 mm  |
| Dimension a | 10 mm |

#### General

|                             |                |
|-----------------------------|----------------|
| Range of articles           | FKCS 2,5/..-ST |
| Insulating material group   | I              |
| Rated surge voltage (III/3) | 4 kV           |

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## Technical data

### General

|                                         |                     |
|-----------------------------------------|---------------------|
| 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 $I_N$                   | 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                     | 3                   |

### 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. | 1.5 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 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |

#### 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 / IECCE CB Scheme / GOST / GOST / CCA / cULus Recognized

##### Ex Approvals

##### Approvals submitted

#### Approval details

|                                                                                                   |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                   | B     | D     |
| mm²/AWG/kcmil                                                                                     | 26-12 | 26-12 |

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### Approvals

|                                | B     | D     |
|--------------------------------|-------|-------|
| 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    |
| Nominal voltage U <sub>N</sub>                                                                                            | 250 V   |

| cUL 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 |

|                                                                                                     |         |
|-----------------------------------------------------------------------------------------------------|---------|
| IECEE CB Scheme  |         |
| mm²/AWG/kcmil                                                                                       | 0.2-2.5 |
| Nominal current I <sub>N</sub>                                                                      | 12 A    |
| Nominal voltage U <sub>N</sub>                                                                      | 250 V   |

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

|                                                                                          |
|------------------------------------------------------------------------------------------|
| GOST  |
|------------------------------------------------------------------------------------------|

|               |         |
|---------------|---------|
| CCA           |         |
| mm²/AWG/kcmil | 0.2-2.5 |

## Printed-circuit board connector - FKCS 2,5/ 3-ST - 1974740

### Approvals

|                       |       |
|-----------------------|-------|
| Nominal current $I_N$ | 12 A  |
| Nominal voltage $U_N$ | 250 V |

cULus Recognized 

### Drawings

Dimensioned drawing

