

## Printed-circuit board connector - GFKC 2,5/ 7-STF-7,5 - 1939578

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.5 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin, COMBICON connectors may only be activated under no load conditions. If for operating reasons small loads must be switched, experimental values are available upon request.



The figure shows a 10-position version of the product



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Minimum order quantity               | 50 pc     |
| Weight per Piece (excluding packing) | 11.83 GRM |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

|             |        |
|-------------|--------|
| Pitch       | 7.5 mm |
| Dimension a | 45 mm  |

#### General

|                                  |                 |
|----------------------------------|-----------------|
| Range of articles                | GFKC 2,5/..-STF |
| Insulating material group        | I               |
| Rated surge voltage (III/3)      | 6 kV            |
| Rated surge voltage (III/2)      | 6 kV            |
| Rated surge voltage (II/2)       | 6 kV            |
| Rated voltage (III/3)            | 400 V           |
| Rated voltage (III/2)            | 630 V           |
| Rated voltage (II/2)             | 1000 V          |
| Connection in acc. with standard | EN-VDE          |
| Nominal current $I_N$            | 12 A            |

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## Technical data

### General

|   |   |
|---|---|
| Nominal cross section                   | 2.5 mm <sup>2</sup>                                     |
| Maximum load current                    | 12 A (with 2.5 mm <sup>2</sup> conductor cross section) |
| 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 | 27440402 |

### 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


CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / GOST / GOST / CCA / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

|   |       |       |
|---|-------|-------|
| CSA  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /AWG/kcmil  | 24-12 | 24-12 |
| Nominal current I <sub>N</sub>  | 12 A  | 10 A  |
| Nominal voltage U <sub>N</sub>  | 300 V | 300 V |

|   |       |       |
|---|-------|-------|
| UL Recognized  |       |       |
|   | B     | D     |
| mm <sup>2</sup> /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

|                                | B       | D |
|--------------------------------|---------|---|
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |   |
| Nominal current I <sub>N</sub> | 12 A    |   |
| Nominal voltage U <sub>N</sub> | 400 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  |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V |

IECEE CB Scheme

|                                | B       | D |
|--------------------------------|---------|---|
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |   |
| Nominal current I <sub>N</sub> | 12 A    |   |
| Nominal voltage U <sub>N</sub> | 400 V   |   |

GOST

GOST

CCA

|                            |         |
|----------------------------|---------|
| mm <sup>2</sup> /AWG/kcmil | 0.2-2.5 |
|----------------------------|---------|

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### Approvals

|                       |       |
|-----------------------|-------|
| Nominal current $I_N$ | 12 A  |
| Nominal voltage $U_N$ | 400 V |



### Drawings

Dimensioned drawing

