# Printed-circuit board connector - FKIC 2,5 HC/ 8-ST-5,08 - 1942659

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The figure shows a 10-position version of the product

Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 8, Pitch: 5.08 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.

## Product Features

- Two integrated test connections
- Coding profiles (CP) as protection against mismatching
- HC plugs may only be used with HC base strips
- Push-in spring-cage plug as a "High Current" (HC) version for 16 A
- Inverted versions with pin contact (FKIC 2,5 HC); e.g., for cable/cable connections or motor outputs

## Key commercial data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 13.63 GRM |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Pitch | 5.08 mm |
| Dimension a | 35.56 mm |

### General

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

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## Technical data

### General

| | |
|---|---|
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 320 V |
| Rated voltage (III/2) | 320 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 16 A |
| Nominal cross section | 2.5 mm² |
| Maximum load current | 16 A (with 2.5 mm² conductor cross section) |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Internal cylindrical gage | A2 |
| Stripping length | 10 mm |
| Number of positions | 8 |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm² |
| 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 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm² |
| 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 |

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## Classifications

### eCl@ss

| | |
|---|---|
| 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 / GOST / IECEE CB Scheme / GOST / CCA / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

UL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 26-12 | 26-12 |
| Nominal current IN | 16 A | 10 A |

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## Approvals

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

VDE Gutachten mit Fertigungsüberwachung

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-2.5 |
| Nominal current IN | 16 A |
| Nominal voltage UN | 250 V |

cUL Recognized

| | B | D |
|---|---|---|
| mm²/AWG/kcmil | 26-12 | 26-12 |
| Nominal current IN | 16 A | 10 A |
| Nominal voltage UN | 300 V | 300 V |

GOST

IECEE CB Scheme

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-2.5 |
| Nominal current IN | 16 A |
| Nominal voltage UN | 250 V |

GOST

CCA

| | |
|---|---|
| mm²/AWG/kcmil | 0.2-2.5 |
| Nominal current IN | 16 A |

# Printed-circuit board connector - FKIC 2,5 HC/ 8-ST-5,08 - 1942659

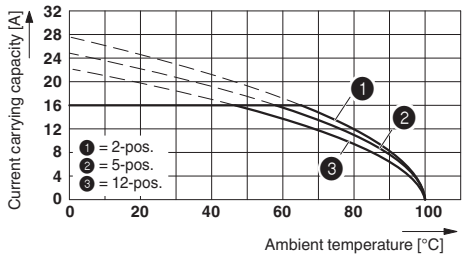
## Approvals

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

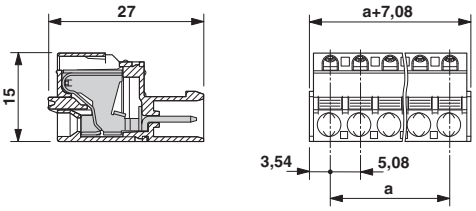
cULus Recognized

## Drawings

Diagram




Dimensioned drawing




Derating curve for: FKIC 2,5 HC/..-ST- 5,08 with IC 2,5 HC/..-G- 5,08

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