# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

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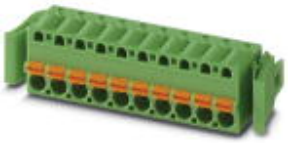
PCB connector, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin, Article with self-locking flange



The figure shows a 10-position version of the product

## Your advantages

- Time saving push-in connection, tools not required
- Intuitive use through colour coded actuation lever
- Quick and convenient testing using integrated test option
- Can be combined with the MSTB 2,5 range
- Intuitive locking mechanism prevents accidental disconnection


## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 017918 819798 |
| GTIN | 4017918819798 |
| Weight per Piece (excluding packing) | 11.840 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 25.73 mm |
| Width [ w ] | 43.9 mm |
| Height [ h ] | 15 mm |

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## Technical data

### Dimensions

| | |
|---|---|
| Pitch | 5.08 mm |
| Dimension a | 25.4 mm |

### General

| | |
|---|---|
| Range of articles | FKC 2,5/..-ST-RF |
| Number of positions | 6 |
| Connection method | Push-in spring connection |
| 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 |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 12 A |
| Nominal cross section | 2.5 mm² |
| Maximum load current | 12 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A2 |
| Stripping length | 10 mm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 2.5 mm² |
| Conductor cross section flexible min. | 0.2 mm² |
| Conductor cross section flexible max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 2.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 2.5 mm² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG 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 |

# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

## Technical data

### Connection data

| | |
|---|---|
| Maximum AWG according to UL/CUL | 12 |

### General information

| | |
|---|---|
| Note | In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load. |

### Standards and Regulations

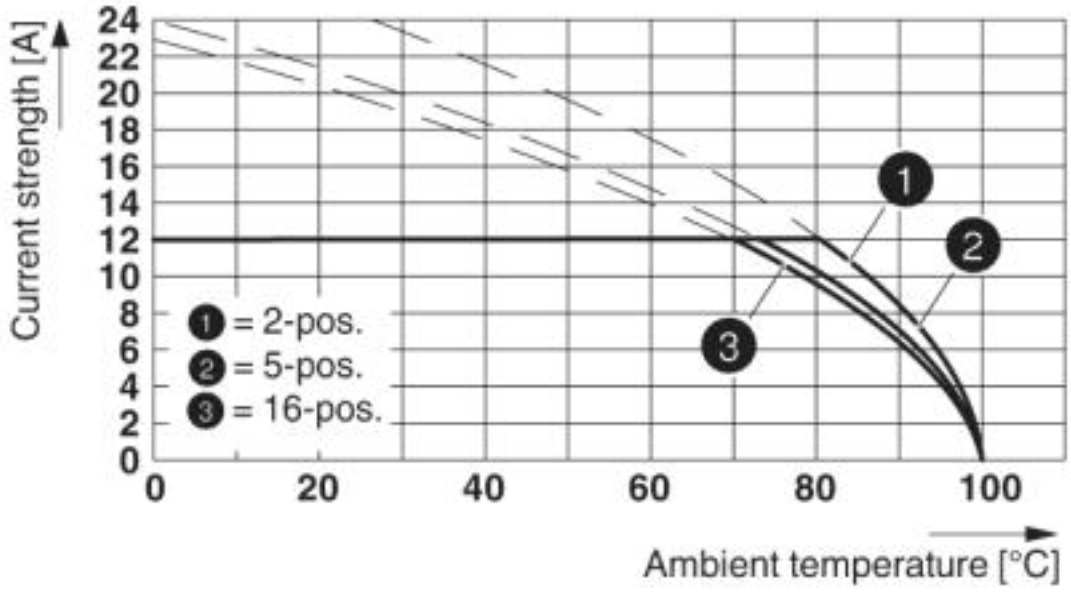
| | |
|---|---|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

### Environmental Product Compliance

| | |
|---|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

## Drawings

Diagram




Type: FKC 2,5/...-ST-5,08-RF with FKICS 2,5/...-STD-5,08-RN

# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

### ETIM

| | |
|---|---|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |
| ETIM 7.0 | EC002638 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |

## Approvals

### Approvals

Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals

### Approval details

# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

## Approvals

| | | | |
|---|---|---|---|
| IECEE CB Scheme | CB scheme | http://www.iecee.org/ | DE1-60988-B1B2 |

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

| | | | |
|---|---|---|---|
| VDE Gutachten mit Fertigungsüberwachung | VDE | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40004701 |

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

| | | |
|---|---|---|
| EAC | EAC | B.01742 |

| | | | |
|---|---|---|---|
| cULus Recognized | c UL us | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19931011 |

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

## Accessories

### Accessories

### Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material

# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

## Accessories

### 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

### Strain relief

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

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

### Test plug terminal block

Reducing plug - RPS - 0201647

Reducing plug, color: gray

### Additional products

Printed-circuit board connector - CCA 2,5/ 6-G-5,08 RNP26THR - 1955206

PCB headers, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Article with self-locking flange; user information and design recommendations on through-hole reflow technology can be found at: "Downloads"

# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

## Accessories

Printed-circuit board connector - CCVA 2,5/ 6-G-5,08 RNP26THR - 1956124

PCB headers, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Article with self-locking flange; user information and design recommendations on through-hole reflow technology can be found at: "Downloads"

Printed-circuit board connector - CCA 2,5/ 6-G-5,08 RNP26THRR56 - 1955316

PCB headers, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Article with self-locking flange; user information and design recommendations on through-hole reflow technology can be found at: "Downloads"

Printed-circuit board connector - CCVA 2,5/ 6-G-5,08RNP26THRR56 - 1956234

PCB headers, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, Article with self-locking flange; user information and design recommendations on through-hole reflow technology can be found at: "Downloads"

Feed-through header - MSTBA 2,5/ 6-G-5,08-RN - 1926057

PCB headers, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Article with engagement nose

Printed-circuit board connector - MSTBVA 2,5/ 6-G-5,08-RN - 1936050

PCB headers, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Article with engagement nose

# Printed-circuit board connector - FKC 2,5/ 6-ST-5,08-RF - 1925731

## Accessories

Printed-circuit board connector - ICC 2,5/ 6-STZ-5,08 - 1823888

PCB connector, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, connection method: Crimp connection, color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/ ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

Printed-circuit board connector - FKIC 2,5/ 6-ST-5,08-RN - 1925906

PCB connector, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin, Article with engagement nose

Printed-circuit board connector - FKICS 2,5/ 6-STD-5,08-RN - 1808763

PCB connector, nominal current: 12 A, number of positions: 6, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin