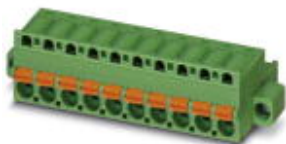


# Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin




The figure shows a 10-position version of the product

## Why buy this product

- Time saving push-in connection, tools not required
- Intuitive use through colour coded actuation lever
- Quick and convenient testing using integrated test option
- Screwable flange for superior mechanical stability
- Can be combined with the MSTB 2,5 range



## Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 100 STK   |
| GTIN                                 | <br>4 017918 142612 |
| GTIN                                 | 4017918142612   |
| Weight per Piece (excluding packing) | 7.640 g   |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Germany   |

## Technical data

### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 25.7 mm  |
| Width [ w ]  | 30.42 mm |
| Height [ h ] | 15 mm    |
| Pitch        | 5.08 mm  |
| Dimension a  | 15.24 mm |

### General

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

# Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

## Technical data

### General

|  |                           |
|--|---------------------------|
| Type of contact                        | Female connector          |
| Number of positions                    | 4                         |
| 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 <sub>N</sub>         | 12 A                      |
| Nominal cross section                  | 2.5 mm <sup>2</sup>       |
| 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 mm <sup>2</sup>  |
| Conductor cross section solid max.  | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.   | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 2.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 2.5 mm <sup>2</sup>  |
| 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 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                   |

### Standards and Regulations

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

### Environmental Product Compliance

# Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

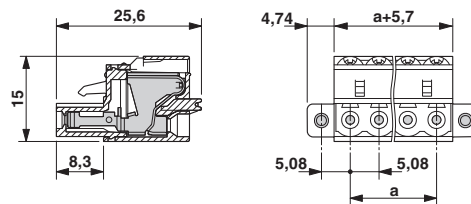
## Technical data

### Environmental Product Compliance

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

## Drawings

Dimensional drawing



## 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 |
| eCl@ss 9.0 | 27440309 |

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

# Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

## Approvals

### Approvals

VDE Gutachten mit Fertigungsüberwachung / cULus Recognized / EAC / IECCEB Scheme

### Ex Approvals

### Approval details

|   |         |   |          |
|---|---------|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |         | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a> | 40004701 |
| mm <sup>2</sup> /AWG/kcmil              | 0.2-2.5 |   |          |
| Nominal current I <sub>N</sub>          | 12 A    |   |          |
| Nominal voltage U <sub>N</sub>          | 250 V   |   |          |

|                                |       |   |                 |
|--------------------------------|-------|---|-----------------|
| cULus Recognized               |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E60425-19931011 |
|                                | 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   |                 |

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

|                                |         |   |                   |
|--------------------------------|---------|---|-------------------|
| IECCEB Scheme                  |         | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-56062-M1-B1B2 |
| mm <sup>2</sup> /AWG/kcmil     | 0.2-2.5 |   |                   |
| Nominal current I <sub>N</sub> | 12 A    |   |                   |
| Nominal voltage U <sub>N</sub> | 250 V   |   |                   |

## Accessories

Accessories

Coding element

## Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

### Accessories

Coding profile - CP-MSTB - 1734634

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



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### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: adhesive, for terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

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### 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

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### Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: silver

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Reducing plug - RPS - 0201647



Reducing plug, color: gray

# Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

## Accessories

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



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

Strain relief - STZ 8-FKC-5,08 - 1876880

Strain relief for snapping into the latching chambers of the plug components, 8-pos.

## Additional products

Base strip - MSTB 2,5/ 4-GF-5,08 - 1776524



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBV 2,5/ 4-GF-5,08 - 1777099



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MDSTB 2,5/ 4-GF-5,08 - 1842380



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

Base strip - MDSTBV 2,5/ 4-GF-5,08 - 1845659



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

## Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

### Accessories

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#### Base strip - DFK-MSTBA 2,5/ 4-GF-5,08 - 1899003



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - DFK-MSTBVA 2,5/ 4-GF-5,08 - 1899304



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - EMSTB 2,5/ 4-GF-5,08 - 1899634



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

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#### Base strip - EMSTBV 2,5/ 4-GF-5,08 - 1915233



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

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#### Base strip - MSTB 2,5/ 4-GF-5,08 THT - 1927580



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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## Printed-circuit board connector - FKC 2,5/ 4-STF-5,08 - 1873223

### Accessories

Base strip - MSTBV 2,5/ 4-GF-5,08 THT - 1940910



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CC 2,5/ 4-GF-5,08 P26THR - 1954715



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CC 2,5/ 4-GF-5,08 P26THRR56 - 1954825



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CCV 2,5/ 4-GF-5,08 P26THR - 1955659



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CCV 2,5/ 4-GF-5,08 P26THRR56 - 1955769



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 4, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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