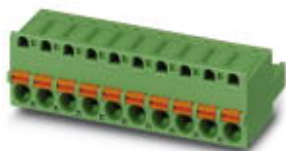


## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

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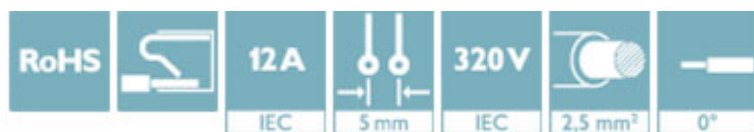
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



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
- ✓ Can be combined with the MSTB 2',5 range



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 100 STK                                                                                                 |
| GTIN                                 | <br>4 017918 175139 |
| GTIN                                 | 4017918175139                                                                                           |
| Weight per Piece (excluding packing) | 3.280 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|              |         |
|--------------|---------|
| Length [ l ] | 25.4 mm |
| Width [ w ]  | 10.1 mm |
| Height [ h ] | 15 mm   |
| Pitch        | 5 mm    |
| Dimension a  | 5 mm    |

#### General

|                   |                  |
|-------------------|------------------|
| Range of articles | FKC 2,5/..-ST    |
| Type of contact   | Female connector |

# Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

## Technical data

### General

|                                        |                           |
|----------------------------------------|---------------------------|
| Number of positions                    | 2                         |
| 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)                  | 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                        |
| 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 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 |
|                                        | CSA    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|------------|---------------------------------------------------------|

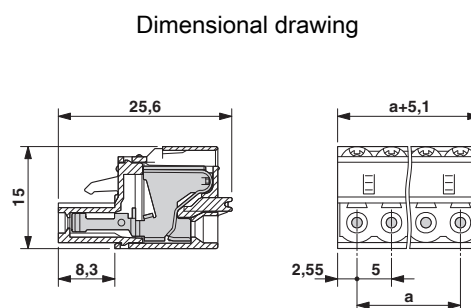
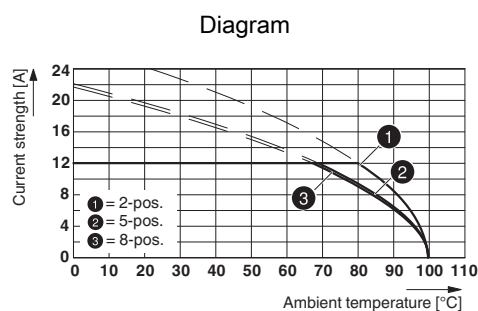
# Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

## Technical data

### Environmental Product Compliance

|  |                                                |
|--|------------------------------------------------|
|  | No hazardous substances above threshold values |
|--|------------------------------------------------|

## Drawings



Type: FKC 2,5/...-ST with MSTB 2,5/...-G THT

## 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/ 2-ST - 1910351

## Approvals

### Approvals

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

### Ex Approvals

### Approval details

|                                |                                                                                   |       |
|--------------------------------|-----------------------------------------------------------------------------------|-------|
| CSA                            |  | 13631 |
|                                | B                                                                                 | D     |
| mm²/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 |

|                                            |                                                                                     |                                                                                                                                                                                                              |          |
|--------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Gutachten mit<br>Fertigungsüberwachung |  | <a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/<br/>VDE-approved-products/Pages/Online-Search.aspx</a> | 40004701 |
|                                            |                                                                                     |                                                                                                                                                                                                              |          |
| mm²/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                                                                                                                                                     |                 |
| 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                                                                                                                                                 |                 |

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

## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

### Approvals

|                                |                     |                                                           |                       |
|--------------------------------|---------------------|-----------------------------------------------------------|-----------------------|
| IECEE CB Scheme                | <b>CB</b><br>scheme | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | DE1-56062-<br>M1-B1B2 |
| mm²/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

Coding profile - CP-MSTB - 1734634



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

#### Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



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 mm, Lettering field: 5 x 3.8 mm

#### 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

#### Test plug terminal block

## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

### Accessories

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

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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 - MSTBW 2,5/ 2-G - 1736111



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

Base strip - MSTBV 2,5/ 2-G - 1753437



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

### Accessories

---

#### Base strip - MSTB 2,5/ 2-G - 1754436



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - MSTBVA 2,5/ 2-G - 1755516



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - MSTBA 2,5/ 2-G - 1757475



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - MDSTB 2,5/ 2-G - 1762046



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order no. 1736771, 1736768. In combination with MVSTB or FKCV plugs, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plugs is not possible!

---

#### Base strip - MDSTBV 2,5/ 2-G - 1763032



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. 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!

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## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

### Accessories

#### Base strip - MSTB 2,5/ 2-G-LA - 1768189



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - SMSTB 2,5/ 2-G - 1769230



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - SMSTBA 2,5/ 2-G - 1769803



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - MSTBA 2,5/ 2-G-LA - 1770481



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

---

#### Base strip - MDSTBW 2,5/ 2-G - 1802443



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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/ 2-ST - 1910351

### Accessories

#### Base strip - MDSTBVA 2,5/ 2-G - 1845785



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MDSTBA 2,5/ 2-G - 1846519



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MSTBO 2,5/ 2-G1R - 1861044



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Soldering, Article with lateral pin exit

---

#### Base strip - MSTBO 2,5/ 2-G1L - 1861057



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Soldering, Article with lateral pin exit

---

#### Base strip - MDSTBA 2,5/ 2-GL - 1877708



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: 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/ 2-ST - 1910351

## Accessories

### Base strip - MDSTBA 2,5/ 2-GR - 1877711



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MDSTBVA 2,5/ 2-GL - 1877724



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MDSTBVA 2,5/ 2-GR - 1877737



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - EMSTBA 2,5/ 2-G - 1899841



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Press-in technology

### Base strip - EMSTBVA 2,5/ 2-G - 1914852



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Press-in technology

## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

### Accessories

#### Base strip - MSTBA 2,5/ 2-G THT - 1927496



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

---

#### Base strip - MSTBVA 2,5/ 2-G THT - 1941003



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

---

#### Base strip - MSTBV 2,5/ 2-G THT - 1963942



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: black, contact surface: Tin, mounting: Soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

---

#### Base strip - MSTBO 2,5/ 2-G1L THRR32 BK - 2200251



Header, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: black, contact surface: Tin, mounting: Taped SMD/THT/THR components

---

#### Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252



Header, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: black, contact surface: Tin, mounting: Taped SMD/THT/THR components

## Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

### Accessories

Base strip - MSTBO 2,5/ 2-G1L KMGY - 2854788



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: light gray, contact surface: Tin, mounting: Soldering

---

Base strip - MSTBO 2,5/ 2-G1R KMGY - 2854791



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, Color: light gray, contact surface: Tin, mounting: Soldering