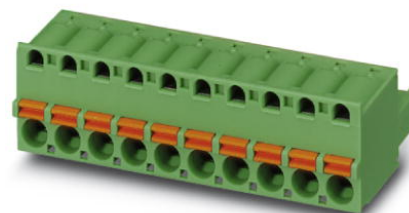


## FKC 2,5/ 8-ST-5,08

Order No.: 1873113

The figure shows a 10-position version of the product



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1873113>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V,  
Pitch: 5.08 mm, Color: green, Metal surface: Sn

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| GTIN (EAN)               | 4017918142506      |
| sales group              | E111               |
| Pack                     | 50 pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.01443 KG         |
| Catalog page information | Page 210 (CC-2009) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|                     |          |
|---------------------|----------|
| Pitch               | 5.08 mm  |
| Dimension a         | 35.56 mm |
| Number of positions | 8        |

#### Technical data

|                                     |                     |
|-------------------------------------|---------------------|
| 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/2)               | 320 V               |
| Rated voltage (II/2)                | 630 V               |
| Connection in acc. with standard    | EN-VDE              |
| Nominal current $I_N$               | 12 A                |
| Nominal voltage $U_N$               | 250 V               |
| Nominal cross section               | 2.5 mm <sup>2</sup> |
| Maximum load current                | 12 A                |
| Insulating material                 | PA                  |
| Inflammability class acc. to UL 94  | V0                  |
| Internal cylindrical gage           | A2                  |
| Stripping length                    | 10 mm               |
| Nominal voltage, UL/CUL Use Group B | 250 V               |
| Nominal current, UL/CUL Use Group B | 10 A                |
| Nominal voltage, UL/CUL Use Group D | 300 V               |
| Nominal current, UL/CUL Use Group D | 10 A                |

#### 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. | 1.5 mm <sup>2</sup> |
| Minimum AWG according to UL/CUL                                                         | 26                  |
| Maximum AWG according to UL/CUL                                                         | 12                  |

#### Certificates / Approvals



Certification

CB, CUL, GOST, UL, VDE-PZI

#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 26-12 |

#### UL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 300 V |
| Nominal current I <sub>N</sub> | 10 A  |
| AWG/kcmil                      | 26-12 |

#### Accessories

| Item            | Designation    | Description                                                                          |
|-----------------|----------------|--------------------------------------------------------------------------------------|
| <b>Assembly</b> |                |                                                                                      |
| 1876880         | STZ 8-FKC-5,08 | Strain relief for snapping into the latching chambers of the plug components, 8-pos. |
| 1876877         | STZ 4-FKC-5,08 | Strain relief for snapping into the latching chambers of the plugs, 4-pos.           |

#### Marking

|         |                          |                                                                                                                                                                             |
|---------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1051993 | B-STIFT                  | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm                                                                 |
| 0804293 | SK 5,08/3,8:FORTL.ZAHLEN | Marker card, printed horizontally, self-adhesive, 12 identical decades marked 1-10, 11-20 etc. up to 91-(99)100, sufficient for 120 terminal blocks                         |
| 0805085 | SK 5,08/3,8:SO           | Marker card, special printing, self-adhesive, labeled acc. to customer requirements, 12 identical marker strips per card, max. 25-position labeling per strip, color: white |

|         |                        |                                                                                                                                           |
|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 0805412 | SK 5,08/3,8:UNBEDRUCKT | Marker cards, unprinted, with pitch divisions, self-adhesive, 10-section marker strips, 12 strips per card, can be labeled with the M-PEN |
|---------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

#### Plug/Adapter

|         |           |                                                                                                   |
|---------|-----------|---------------------------------------------------------------------------------------------------|
| 1734634 | CP-MSTB   | Keying profile, is inserted into the slot on the plug or inverted header, red insulating material |
| 0201689 | MPS-IH BU | Insulating sleeve, Color: blue                                                                    |
| 0201702 | MPS-IH GN | Insulating sleeve, Color: green                                                                   |
| 0201676 | MPS-IH RD | Insulating sleeve, Color: red                                                                     |
| 0201663 | MPS-IH WH | Insulating sleeve, Color: white                                                                   |
| 0201744 | MPS-MT    | Metal part                                                                                        |
| 0201647 | RPS       | Reducing plug, Color: gray                                                                        |

#### Tools

|         |             |                                                                                                                                                      |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1205053 | SZS 0,6X3,5 | Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval |
|---------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Additional products

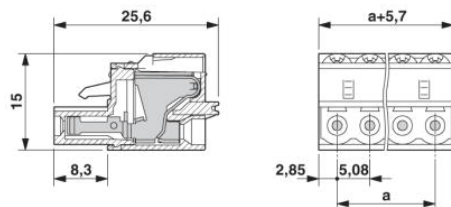
| Item           | Designation           | Description                                                                                                                                                                                                                                                                                                                                                                         |
|----------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b> |                       |                                                                                                                                                                                                                                                                                                                                                                                     |
| 1880368        | EMSTBA 2,5/ 8-G-5,08  | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in                                                                                                                                                                                                                                                    |
| 1859577        | EMSTBVA 2,5/ 8-G-5,08 | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in                                                                                                                                                                                                                                                    |
| 1873414        | FKIC 2,5/ 8-ST-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn                                                                                                                                                                                                                                                                |
| 1823901        | ICC 2,5/ 8-STZ-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding male crimp contacts with current [A] and conductor cross section range [mm <sup>2</sup> ] 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 |
| 1762431        | MDSTB 2,5/ 8-G1-5,08  | Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering, 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!                                                                |

|         |                         |                                                                                                                                                                                                                                                                                                                                                                                        |
|---------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1842128 | MDSTBA 2,5/ 8-G-5,08    | Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: 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! |
| 1762567 | MDSTBV 2,5/ 8-G1-5,08   | Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering, 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!                                                                   |
| 1845390 | MDSTBVA 2,5/ 8-G-5,08   | Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: 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! |
| 1770779 | MSTB 2,5/ 8-G-5,08-LA   | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Assembly: Soldering                                                                                                                                                                                                                                                                                       |
| 1757307 | MSTBA 2,5/ 8-G-5,08     | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering                                                                                                                                                                                                                                                      |
| 1771008 | MSTBA 2,5/ 8-G-5,08-LA  | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Assembly: Soldering                                                                                                                                                                                                                                                                                       |
| 1788787 | MSTBVK 2,5/ 8-G-5,08    | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: DIN rail                                                                                                                                                                                                                                               |
| 1788596 | MVSTBU 2,5/ 8-GB-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Direct mounting                                                                                                                                                                                                                                        |
| 1769528 | SMSTB 2,5/ 8-G-5,08     | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering                                                                                                                                                                                                                                                      |
| 1767436 | SMSTBA 2,5/ 8-G-5,08    | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering                                                                                                                                                                                                                                                      |
| 3002034 | UK 3-MSTB-5,08          | Feed-through modular terminal block, Type of connection: Special and hybrid connection, Screw connection, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5                                                                                                                                 |
| 3002076 | UK 3-MVSTB-5,08         | Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Pitch: 5.08 mm, Width: 5.1, Color: gray                                                                                                                                          |
| 3002102 | UK 3-MVSTB-5,08-LA 24RD | Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 32, NS 35/15, NS 35/7,5, Pitch: 5.08 mm, Width: 5.08, Color: gray                                                                                                                                         |

|         |                          |                                                                                                                                                                                                                                                                  |
|---------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3002063 | UK 3-MVSTB-5,08/EK       | Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.1, Color: blue                    |
| 3002131 | UK 3D-MSTBV-5,08         | Feed-through modular terminal block, Type of connection: Special and hybrid connection, Screw connection, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.08 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5           |
| 3002144 | UK 3D-MSTBV-5,08-LA 24RD | Feed-through modular terminal block, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.1 mm, Color: gray, Mounting type: NS 32, NS 35/15, NS 35/7,5 |
| 3002173 | UK 3D-MSTBV-5,08/EK      | Feed-through modular terminal block, Type of connection: Screw connection, Screw connection, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG 24 - 12, Width: 5.1 mm, Color: blue, Mounting type: NS 32, NS 35/15, NS 35/7,5                         |
| 2770888 | UKK 3-MSTB-5,08          | End cover, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: gray                                             |
| 1876615 | UKK 3-MSTB-5,08-PE       | Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 320 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: green-yellow           |
| 2770846 | UKK 3-MSTBVH-5,08        | Feed-through modular terminal block, Nominal current: 12 A, Nominal voltage: 250 V, Cross section: 0.2 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 12, Mounting type: NS 35/7,5, NS 35/15, NS 32, Pitch: 5.08 mm, Width: 5.08, Color: gray                   |
| 1788172 | UMSTBVK 2,5/ 8-G-5,08    | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: DIN rail                                                                                                                         |
| 1873016 | ZFKK 1,5-MSTBV-5,08      | Feed-through modular terminal block, Connection method: Special and hybrid connection, MSTB plug entry, Cross section: 0.2 mm <sup>2</sup> - 2.5 mm <sup>2</sup> , Width: 5.1 mm, Color: gray                                                                    |

## Diagrams/Drawings

### Dimensioned drawing



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