

## TMSTBP 2,5/ 5-ST-5,08


Order No.: 1853049

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1853049>

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V,  
Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface:  
Sn, The plug allows conductors to be looped through from module to  
module.

### Commercial data

|                          |   |
|--------------------------|---|
| GTIN (EAN)               |  |
| sales group              | E111  |
| Pack                     | 50 pcs.   |
| Customs tariff           | 85366990  |
| Catalog page information | Page 205 (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

|             |          |
|-------------|----------|
| Height      | 28.9 mm  |
| Pitch       | 5.08 mm  |
| Dimension a | 20.32 mm |

|                        |        |
|------------------------|--------|
| Number of positions    | 5      |
| Screw thread           | M3     |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max  | 0.6 Nm |

**Technical data**

|                                     |                     |
|-------------------------------------|---------------------|
| Range of articles                   | TMSTBP 2,5/..-ST    |
| 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           | A3                  |
| Stripping length                    | 10 mm               |
| Nominal voltage, UL/CUL Use Group B | 250 V               |
| Nominal current, UL/CUL Use Group B | 12 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, solid min.  | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, solid max.  | 1 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                     | 0.2 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded max.                                     | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 1 mm <sup>2</sup>    |
| 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   | 30                   |
| Maximum AWG according to UL/CUL   | 12                   |

#### Certificates / Approvals



Certification

CB, CSA, CUL, GOST, UL, VDE-PZI

#### Accessories

| Item           | Designation | Description   |
|----------------|-------------|---|
| <b>Bridges</b> |             |   |
| 1733172        | EBP 3- 5    | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 3 |
| 1733185        | EBP 4- 5    | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 4 |
| 1733198        | EBP 5- 5    | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 5 |

**General**

|         |          |   |
|---------|----------|---|
| 1733169 | EBP 2- 5 | Insertion bridge, fully insulated, for plug connectors with 5.0 or 5.08 mm pitch, no. of positions: 2 |
|---------|----------|---|

**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                                   |

**Tools**

|         |             |  |
|---------|-------------|--|
| 1205053 | SZS 0,6X3,5 | 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 |
|---------|-------------|--|

**Additional products**

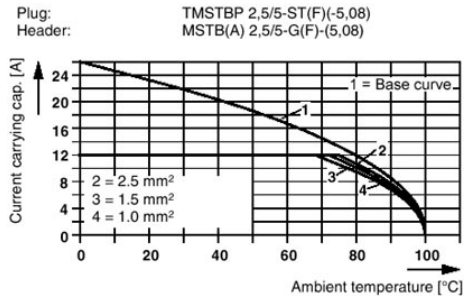
| Item           | Designation              | Description   |
|----------------|--------------------------|---|
| <b>General</b> |                          |   |
| 1872499        | A-MSTBVA 2,5/ 5-G-5,08   | Base strip, Nominal current: 12 A, Nominal voltage: 250 V, Mounting type: DIN rail mounting, Number of positions: 5, Pitch: 5.08 mm, Color: green   |
| 0707277        | DFK-MSTB 2,5/ 5-G-5,08   | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Direct mounting, Accessory order no. 5030172 can only be used in conjunction with MSTB 2,5/...ST-5,08 and MSTBT 2,5/...ST-5,08. |
| 1898868        | DFK-MSTBA 2,5/ 5-G-5,08  | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1899168        | DFK-MSTBVA 2,5/ 5-G-5,08 | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1880339        | EMSTBA 2,5/ 5-G-5,08     | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in  |
| 1859548        | EMSTBVA 2,5/ 5-G-5,08    | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in  |

|         |                         |  |
|---------|-------------------------|--|
| 1873388 | FKIC 2,5/ 5-ST-5,08     | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn   |
| 1786200 | IC 2,5/ 5-ST-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 400 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn   |
| 1823875 | ICC 2,5/ 5-STZ-5,08     | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, 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    |
| 1842092 | MDSTBA 2,5/ 5-G-5,08    | Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 5, 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! |
| 1845361 | MDSTBVA 2,5/ 5-G-5,08   | Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 5, 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! |
| 1759046 | MSTB 2,5/ 5-G-5,08      | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |
| 1770740 | MSTB 2,5/ 5-G-5,08-LA   | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |
| 1757271 | MSTBA 2,5/ 5-G-5,08     | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |
| 1902770 | MSTBA 2,5/ 5-G-5,08 THT | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: black, Metal surface: Sn, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <a href="http://www.combicon.com">http://www.combicon.com</a>  |
| 1770973 | MSTBA 2,5/ 5-G-5,08-LA  | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering  |
| 1850466 | MSTBO 2,5/ 5-GL-5,08    | Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1847136 | MSTBO 2,5/ 5-GR-5,08    | Header, Nominal current: 8 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |

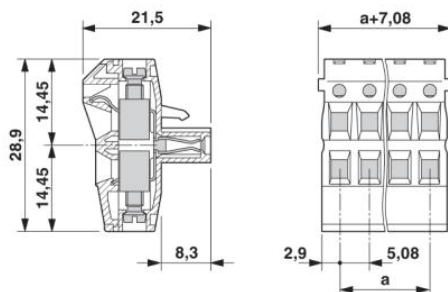
|         |                          |   |
|---------|--------------------------|---|
| 1758047 | MSTBV 2,5/ 5-G-5,08      | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1755765 | MSTBVA 2,5/ 5-G-5,08     | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1902848 | MSTBVA 2,5/ 5-G-5,08 THT | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: black, Metal surface: Sn, Assembly: SMD/THT/THR, User information and design recommendations on through hole reflow technology can be found at: <a href="http://www.combicon.com">http://www.combicon.com</a> |
| 1735853 | MSTBW 2,5/ 5-G-5,08      | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1769492 | SMSTB 2,5/ 5-G-5,08      | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |
| 1767407 | SMSTBA 2,5/ 5-G-5,08     | Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 5, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Soldering   |

**Diagrams/Drawings**

Diagram



Dimensioned drawing



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