


## EMSTBV 2,5/ 4-GF-5,08

Order No.: 1915233

The figure shows a 10-position version of the product

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1915233>

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Assembly: Press-in

| Commercial data          |  |
|--------------------------|--|
| GTIN (EAN)               | <br>4 017918 182052 |
| sales group              | E115   |
| Pack                     | 50 pcs.  |
| Customs tariff           | 85366990   |
| Catalog page information | Page 247 (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                |          |
|-------------------------------|----------|
| <b>Dimensions / positions</b> |          |
| Length                        | 8.6 mm   |
| Pitch                         | 5.08 mm  |
| Dimension a                   | 15.24 mm |
| Number of positions           | 4        |

|                |         |
|----------------|---------|
| Pin dimensions | 1,7 mm  |
| Hole diameter  | 1.75 mm |

#### Technical data

|                                     |                  |
|-------------------------------------|------------------|
| Range of articles                   | EMSTBV 2,5/..-GF |
| Insulating material group           | IIIa             |
| 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)                | 320 V            |
| Connection in acc. with standard    | EN-VDE           |
| Nominal current $I_N$               | 12 A             |
| Nominal voltage $U_N$               | 200 V            |
| Maximum load current                | 12 A             |
| Insulating material                 | PBT              |
| Inflammability class acc. to UL 94  | V0               |
| 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             |

#### Certificates / Approvals



Certification

CB, CUL, GOST, UL, VDE-PZI

#### Accessories

| Item            | Designation           | Description   |
|-----------------|-----------------------|---|
| <b>Assembly</b> |                       |   |
| 1877203         | EMSTB 2,5-SH          | Stamp holder, for upper and lower stamp   |
| 1877216         | EMSTBVA 2,5-SS-1-5,08 | Stamp set, consisting of an upper and lower stamp, upper stamp: 2 to 16-pos., lower stamp: 2 to 24-pos., pitch: 5.08 mm |

|         |                       |  |
|---------|-----------------------|--|
| 1877229 | EMSTBVA 2,5-SS-2-5,08 | Stamp set, consisting of an upper and lower stamp, upper stamp: 17 to 24-pos., lower stamp: 2 to 24-pos., pitch: 5.08 mm |
| 1755477 | MSTB-BL               | Keying cap, for forming sections, plugs onto header pin, green insulating material                                       |

**Marking**

|         |                          |   |
|---------|--------------------------|---|
| 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 |
|---------|--------------------------|---|

**Plug/Adapter**

|         |         |  |
|---------|---------|--|
| 1734401 | CR-MSTB | Coding section, inserted into the recess in the header or the inverted plug, red insulating material |
|---------|---------|--|

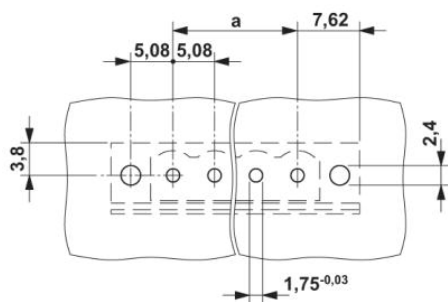
**Additional products**

| Item           | Designation                | Description   |
|----------------|----------------------------|---|
| <b>General</b> |                            |   |
| 1873223        | FKC 2,5/ 4-STF-5,08        | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |
| 1902327        | FKCT 2,5/ 4-STF-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |
| 1874125        | FKCVR 2,5/ 4-STF-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |
| 1873825        | FKCVW 2,5/ 4-STF-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |
| 1777824        | FRONT-MSTB 2,5/ 4-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |
| 1778001        | MSTB 2,5/ 4-STF-5,08       | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |
| 1809750        | MSTBC 2,5/ 4-STZF-5,08     | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn, Corresponding female crimp contacts with current [A] and conductor cross section range [mm <sup>2</sup> ] data: 10A/MSTBC-MT 0,5-1,0 (3190564); 10A/MSTBC-MT 0,5-1,0 BA (3190645); 12A/MSTBC-MT 1,5-2,5 (3190551); 12A/MSTBC-MT 1,5-2,5 BA (3190658). BA = Bandkontakte |
| 1805327        | MSTBT 2,5/ 4-STF-5,08      | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn  |

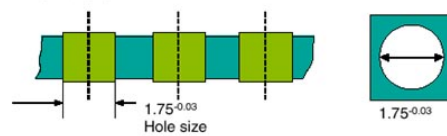
|         |                        |  |
|---------|------------------------|--|
| 1835119 | MVSTBR 2,5/ 4-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn   |
| 1834929 | MVSTBW 2,5/ 4-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn   |
| 1883378 | QC 1/ 4-STF-5,08       | Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn   |
| 1853120 | TMSTBP 2,5/ 4-STF-5,08 | Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5.08 mm, Color: green, Metal surface: Sn, The plug allows conductors to be looped through from module to module. |

**Diagrams/Drawings**

Drilling plan/solder pad geometry

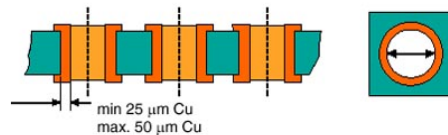


Bore hole in the basic material, mostly epoxy glass fabric FR4 or EP-GC

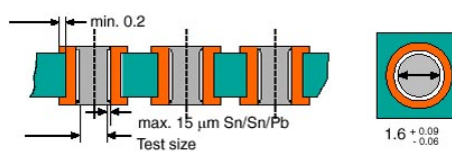


Bore hole with Cu ferrule

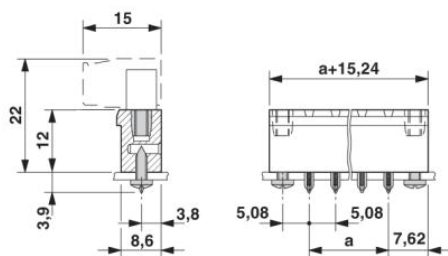
Bore hole with Cu ferrule



Plated-through bore hole with Sn/SnPb



Dimensioned drawing



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