

**MVSTBR 2,5/...-ST**

Plug-in direction vertical to the conductor axis,  
connection point facing the **smooth** wall (R)  
of the header

Pitch 5.0 or 5.08

|                 | (IEC)              | rigid   | flexible | I     | U   |     |
|-----------------|--------------------|---------|----------|-------|-----|-----|
|                 | [mm <sup>2</sup> ] | solid   | stranded | AWG   | [A] | [V] |
| Connection data |                    | 0.2-2.5 | 0.2-2.5  | 24-12 | 12  | 250 |



| Description                                  | No. of positions | Dim. a [mm] | Type                        | Order No.         | Pcs. Pkt. |
|----------------------------------------------|------------------|-------------|-----------------------------|-------------------|-----------|
| <b>Plugs, 5.0 mm pitch,</b><br>color: green  | 2                | 5           | <b>MVSTBR 2,5/2-ST</b>      | <b>17 92 01 6</b> | 50        |
|                                              | 3                | 10          | <b>MVSTBR 2,5/3-ST</b>      | <b>17 92 02 9</b> |           |
|                                              | 4                | 15          | <b>MVSTBR 2,5/4-ST</b>      | <b>17 92 03 2</b> |           |
|                                              | 5                | 20          | <b>MVSTBR 2,5/5-ST</b>      | <b>17 92 04 5</b> |           |
|                                              | 6                | 25          | <b>MVSTBR 2,5/6-ST</b>      | <b>17 92 05 8</b> |           |
|                                              | 7                | 30          | <b>MVSTBR 2,5/7-ST</b>      | <b>17 92 06 1</b> |           |
|                                              | 8                | 35          | <b>MVSTBR 2,5/8-ST</b>      | <b>17 92 07 4</b> |           |
|                                              | 9                | 40          | <b>MVSTBR 2,5/9-ST</b>      | <b>17 92 08 7</b> |           |
|                                              | 10               | 45          | <b>MVSTBR 2,5/10-ST</b>     | <b>17 92 09 0</b> |           |
|                                              | 11               | 50          | <b>MVSTBR 2,5/11-ST</b>     | <b>17 92 10 0</b> |           |
|                                              | 12               | 55          | <b>MVSTBR 2,5/12-ST</b>     | <b>17 92 11 3</b> |           |
|                                              | 13               | 60          | MVSTBR 2,5/13-ST            | 17 92 12 6        |           |
|                                              | 14               | 65          | <b>MVSTBR 2,5/14-ST</b>     | <b>17 92 13 9</b> |           |
|                                              | 15               | 70          | MVSTBR 2,5/15-ST            | 17 92 14 2        |           |
|                                              | 16               | 75          | <b>MVSTBR 2,5/16-ST</b>     | <b>17 92 15 5</b> |           |
|                                              | 17               | 80          | MVSTBR 2,5/17-ST            | 17 92 16 8        |           |
|                                              | 18               | 85          | MVSTBR 2,5/18-ST            | 17 92 17 1        |           |
|                                              | 19               | 90          | MVSTBR 2,5/19-ST            | 17 92 18 4        |           |
|                                              | 20               | 95          | MVSTBR 2,5/20-ST            | 17 92 19 7        |           |
|                                              | 21               | 100         | MVSTBR 2,5/21-ST            | 17 92 20 7        |           |
|                                              | 22               | 105         | MVSTBR 2,5/22-ST            | 17 92 21 0        |           |
|                                              | 23               | 110         | MVSTBR 2,5/23-ST            | 17 92 22 3        |           |
|                                              | 24               | 115         | MVSTBR 2,5/24-ST            | 17 92 23 6        |           |
| <b>Plugs, 5.08 mm pitch,</b><br>color: green | 2                | 5.08        | <b>MVSTBR 2,5/2-ST-5,08</b> | <b>17 92 24 9</b> | 50        |
|                                              | 3                | 10.16       | <b>MVSTBR 2,5/3-ST-5,08</b> | <b>17 92 25 2</b> |           |
|                                              | 4                | 15.24       | <b>MVSTBR 2,5/4-ST-5,08</b> | <b>17 92 26 5</b> |           |
|                                              | 5                | 20.32       | <b>MVSTBR 2,5/5-ST-5,08</b> | <b>17 92 27 8</b> |           |
|                                              | 6                | 25.40       | <b>MVSTBR 2,5/6-ST-5,08</b> | <b>17 92 28 1</b> |           |

|    |        |                       |            |
|----|--------|-----------------------|------------|
| 7  | 30.48  | MVSTBR 2,5/7-ST-5,08  | 17 92 29 4 |
| 8  | 35.56  | MVSTBR 2,5/8-ST-5,08  | 17 92 30 4 |
| 9  | 40.64  | MVSTBR 2,5/9-ST-5,08  | 17 92 31 7 |
| 10 | 45.72  | MVSTBR 2,5/10-ST-5,08 | 17 92 32 0 |
| 11 | 50.80  | MVSTBR 2,5/11-ST-5,08 | 17 92 33 3 |
| 12 | 55.88  | MVSTBR 2,5/12-ST-5,08 | 17 92 34 6 |
| 13 | 60.96  | MVSTBR 2,5/13-ST-5,08 | 17 92 35 9 |
| 14 | 66.04  | MVSTBR 2,5/14-ST-5,08 | 17 92 36 2 |
| 15 | 71.12  | MVSTBR 2,5/15-ST-5,08 | 17 92 37 5 |
| 16 | 76.20  | MVSTBR 2,5/16-ST-5,08 | 17 92 38 8 |
| 17 | 81.28  | MVSTBR 2,5/17-ST-5,08 | 17 92 39 1 |
| 18 | 86.36  | MVSTBR 2,5/18-ST-5,08 | 17 92 40 1 |
| 19 | 91.44  | MVSTBR 2,5/19-ST-5,08 | 17 92 41 4 |
| 20 | 96.52  | MVSTBR 2,5/20-ST-5,08 | 17 92 42 7 |
| 21 | 101.60 | MVSTBR 2,5/21-ST-5,08 | 17 92 43 0 |
| 22 | 106.68 | MVSTBR 2,5/22-ST-5,08 | 17 92 44 3 |
| 23 | 111.76 | MVSTBR 2,5/23-ST-5,08 | 17 92 45 6 |
| 24 | 116.84 | MVSTBR 2,5/24-ST-5,08 | 17 92 46 9 |

**Technical data****Dimensions**

see description

Pitch [mm] 5.0 / 5.08

**Technical data in accordance with IEC / DIN VDE**

|                                              |                        |         |          |        |
|----------------------------------------------|------------------------|---------|----------|--------|
| Insulation material group                    | —                      | I       |          |        |
| Surge voltage category / contamination class | —/—                    | III / 3 | III / 2  | II / 2 |
| Rated voltage                                | [V]                    | 250     | 320      | 630    |
| Rated surge voltage                          | [kV]                   | 4       | 4        | 4      |
| Nominal current / cross section              | [A]/[mm <sup>2</sup> ] |         | 12 / 2.5 |        |
| Maximum load current / cross section         | [A]/[mm <sup>2</sup> ] |         | 12 / 2.5 |        |

**Connection capacity**solid / stranded / conductor sizes [mm<sup>2</sup>]/[mm<sup>2</sup>]/AWG 0.2 - 2.5 / 0.2 - 2.5 / 24 - 12stranded with ferrules without / with plastic collar [mm<sup>2</sup>] 0.25 - 2.5 / 0.25 - 2.5**Multiple connection (2 conductors with same cross section)**

|                                                 |                    |                     |
|-------------------------------------------------|--------------------|---------------------|
| solid / stranded                                | [mm <sup>2</sup> ] | 0.2 - 1 / 0.2 - 1.5 |
| stranded with ferrules without plastic collar   | [mm <sup>2</sup> ] | 0.25 - 1            |
| stranded with TWIN ferrules with plastic collar | [mm <sup>2</sup> ] | 0.5 - 1.5           |

|                                                   |      |           |
|---------------------------------------------------|------|-----------|
| <b>Stripping length</b>                           | [mm] | 7         |
| <b>Internal cylindrical gage (IEC 947-1:1988)</b> | —    | A 3       |
| <b>Thread</b>                                     | —    | M 3       |
| <b>Torque</b>                                     | [Nm] | 0.5 - 0.6 |
| <b>Insulation material</b>                        |      | PA        |
| Inflammability class acc. to UL 94                |      | V0        |
| Temperature indices RTI/Ti                        |      | 130/120   |

Temperature indices K1/M1

100/120

**Approval data (UL and CSA)**Nominal voltage / current /  
conductor sizes

UL: [V] / [A] / AWG

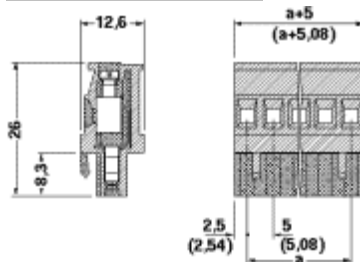
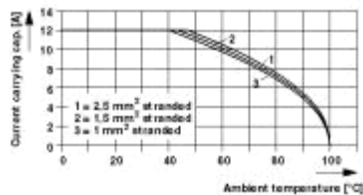
300 / 10 / 30 - 12

CSA: [V] / [A] / AWG

300 / 10 / 28 - 12

**Articles printed in bold can be delivered at short notice.****Products with black or gray housing available on request.****Note:**

Only actuate COMBICON plug connectors when under no load condition. If for operating reasons small loads must be switched, experimental values are available upon request.

**Dimensional drawing****Diagram**

Current carrying capacity depending on ambient temperature

Plug : MVSTBR(W) 2,5/2-ST(F)(-5,08)

Header : MSTB(V)(A) 2,5/2-G(F)(-5,08)

