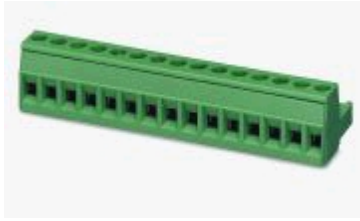


MSTB 2,5/...-ST

Plug-in direction parallel to the conductor axis
Pitch 5.0 or 5.08

| (IEC) | rigid | flexible | I | U |
|--------------------|---------|----------|-------|-----|
| [mm ²] | solid | stranded | AWG | [A] |
| 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. |
|---------------------------------------------|----------------------------------------------|-------------|---------------------------|---------------------------|-----------|
| Plugs, 5.0 mm pitch, color: green | 2 | 5 | MSTB 2,5/2-ST | 17 54 44 9 | 50 |
| | 3 | 10 | MSTB 2,5/3-ST | 17 54 46 5 | |
| | 4 | 15 | MSTB 2,5/4-ST | 17 54 48 1 | |
| | 5 | 20 | MSTB 2,5/5-ST | 17 54 50 4 | |
| | 6 | 25 | MSTB 2,5/6-ST | 17 54 52 0 | |
| | 7 | 30 | MSTB 2,5/7-ST | 17 54 54 6 | |
| | 8 | 35 | MSTB 2,5/8-ST | 17 54 56 2 | |
| | 9 | 40 | MSTB 2,5/9-ST | 17 54 58 8 | |
| | 10 | 45 | MSTB 2,5/10-ST | 17 54 60 1 | |
| | 11 | 50 | MSTB 2,5/11-ST | 17 54 62 7 | |
| | 12 | 55 | MSTB 2,5/12-ST | 17 54 64 3 | |
| | 13 | 60 | MSTB 2,5/13-ST | 17 54 66 9 | |
| | 14 | 65 | MSTB 2,5/14-ST | 17 54 68 5 | |
| | 15 | 70 | MSTB 2,5/15-ST | 17 54 70 8 | |
| | 16 | 75 | MSTB 2,5/16-ST | 17 54 72 4 | |
| | 17 | 80 | MSTB 2,5/17-ST | 17 54 74 0 | |
| | 18 | 85 | MSTB 2,5/18-ST | 17 54 76 6 | |
| | 19 | 90 | MSTB 2,5/19-ST | 17 54 78 2 | |
| | 20 | 95 | MSTB 2,5/20-ST | 17 54 80 5 | |
| | 21 | 100 | MSTB 2,5/21-ST | 17 54 82 1 | |
| | 22 | 105 | MSTB 2,5/22-ST | 17 54 84 7 | |
| | 23 | 110 | MSTB 2,5/23-ST | 17 54 86 3 | |
| | 24 | 115 | MSTB 2,5/24-ST | 17 54 88 9 | |
| | Plugs, 5.08 mm pitch, color: green | 2 | 5.08 | MSTB 2,5/2-ST-5,08 | |
| 3 | | 10.16 | MSTB 2,5/3-ST-5,08 | 17 57 02 2 | |
| 4 | | 15.24 | MSTB 2,5/4-ST-5,08 | 17 57 03 5 | |
| 5 | | 20.32 | MSTB 2,5/5-ST-5,08 | 17 57 04 8 | |
| 6 | | 25.40 | MSTB 2,5/6-ST-5,08 | 17 57 05 1 | |
| 7 | | 30.48 | MSTB 2,5/7-ST-5,08 | 17 57 06 4 | |
| 8 | | 35.56 | MSTB 2,5/8-ST-5,08 | 17 57 07 7 | |

| | | | |
|----|--------|----------------------------|----------------------------|
| 8 | 35.56 | MSTB 2,5/8-ST-5,08 | 17 57 07 7 |
| 9 | 40.64 | MSTB 2,5/9-ST-5,08 | 17 57 08 0 |
| 10 | 45.72 | MSTB 2,5/10-ST-5,08 | 17 57 09 3 |
| 11 | 50.80 | MSTB 2,5/11-ST-5,08 | 17 57 10 3 |
| 12 | 55.88 | MSTB 2,5/12-ST-5,08 | 17 57 11 6 |
| 13 | 60.96 | MSTB 2,5/13-ST-5,08 | 17 57 12 9 |
| 14 | 66.04 | MSTB 2,5/14-ST-5,08 | 17 57 13 2 |
| 15 | 71.12 | MSTB 2,5/15-ST-5,08 | 17 57 14 5 |
| 16 | 76.20 | MSTB 2,5/16-ST-5,08 | 17 57 15 8 |
| 17 | 81.28 | MSTB 2,5/17-ST-5,08 | 17 57 16 1 |
| 18 | 86.36 | MSTB 2,5/18-ST-5,08 | 17 57 17 4 |
| 19 | 91.44 | MSTB 2,5/19-ST-5,08 | 17 57 18 7 |
| 20 | 96.52 | MSTB 2,5/20-ST-5,08 | 17 57 19 0 |
| 21 | 101.60 | MSTB 2,5/21-ST-5,08 | 17 57 20 0 |
| 22 | 106.68 | MSTB 2,5/22-ST-5,08 | 17 57 21 3 |
| 23 | 111.76 | MSTB 2,5/23-ST-5,08 | 17 57 22 6 |
| 24 | 116.84 | MSTB 2,5/24-ST-5,08 | 17 57 23 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 ²] | | 12 / 2.5 | |
| Maximum load current / cross section | [A]/[mm ²] | | 12 / 2.5 | |
| Connection capacity | | | | |
| solid / stranded / conductor sizes | [mm ²]/[mm ²]/AWG | | 0.2 - 2.5 / 0.2 - 2.5 / 24 - 12 | |
| stranded with ferrules without / with plastic collar | [mm ²] | | 0.25 - 2.5 / 0.25 - 2.5 | |

Multiple connection (2 conductors with same cross section)

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

| | | |
|---------------------------------------------------|------|-----------|
| Stripping length | [mm] | 7 |
| Internal cylindrical gage (IEC 947-1:1988) | – | A 3 |
| Thread | – | M 3 |
| Torque | [Nm] | 0.5 - 0.6 |

Insulation material

| | |
|------------------------------------|---------|
| Insulation material | PA |
| Inflammability class acc. to UL 94 | V0 |
| Temperature indices RTI/Ti | 130/120 |

Approval data (UL and CSA)

Nominal voltage / current /
conductor sizes

UL: [V] / [A] / AWG

300 / 10 / 30 - 12

CSA: [V] / [A] / AWG

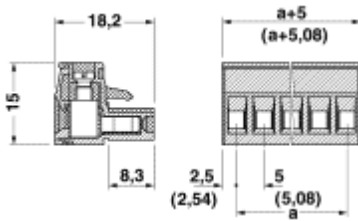
300 / 10 / 28 - 12

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

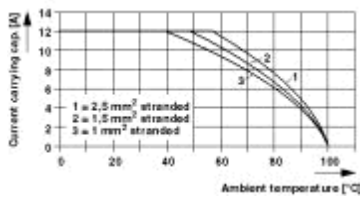
Note:

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.

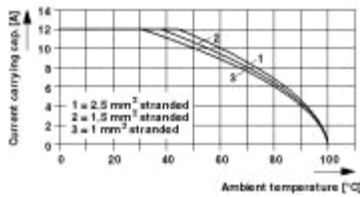
Dimensional drawing



Diagram



Current carrying capacity depending on the ambient temperature
Plug: MSTB 2,5/2-ST(F)(-5,08)
Header: MSTB(V)(A) 2,5/2-G(F)(-5,08)



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