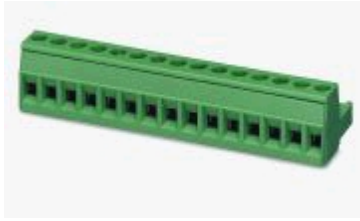


**MSTB 2,5/...-ST**

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

(IEC)	rigid	flexible	I	U
[mm <sup>2</sup> ]	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.
<b>Plugs, 5.0 mm pitch,</b> color: green	2	5	<b>MSTB 2,5/2-ST</b>	<b>17 54 44 9</b>	50
	3	10	<b>MSTB 2,5/3-ST</b>	<b>17 54 46 5</b>	
	4	15	<b>MSTB 2,5/4-ST</b>	<b>17 54 48 1</b>	
	5	20	<b>MSTB 2,5/5-ST</b>	<b>17 54 50 4</b>	
	6	25	<b>MSTB 2,5/6-ST</b>	<b>17 54 52 0</b>	
	7	30	<b>MSTB 2,5/7-ST</b>	<b>17 54 54 6</b>	
	8	35	<b>MSTB 2,5/8-ST</b>	<b>17 54 56 2</b>	
	9	40	<b>MSTB 2,5/9-ST</b>	<b>17 54 58 8</b>	
	10	45	<b>MSTB 2,5/10-ST</b>	<b>17 54 60 1</b>	
	11	50	<b>MSTB 2,5/11-ST</b>	<b>17 54 62 7</b>	
	12	55	<b>MSTB 2,5/12-ST</b>	<b>17 54 64 3</b>	
	13	60	MSTB 2,5/13-ST	17 54 66 9	
	14	65	<b>MSTB 2,5/14-ST</b>	<b>17 54 68 5</b>	
	15	70	MSTB 2,5/15-ST	17 54 70 8	
	16	75	<b>MSTB 2,5/16-ST</b>	<b>17 54 72 4</b>	
	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	
	<b>Plugs, 5.08 mm pitch,</b> color: green	2	5.08	<b>MSTB 2,5/2-ST-5,08</b>	
3		10.16	<b>MSTB 2,5/3-ST-5,08</b>	<b>17 57 02 2</b>	
4		15.24	<b>MSTB 2,5/4-ST-5,08</b>	<b>17 57 03 5</b>	
5		20.32	<b>MSTB 2,5/5-ST-5,08</b>	<b>17 57 04 8</b>	
6		25.40	<b>MSTB 2,5/6-ST-5,08</b>	<b>17 57 05 1</b>	
7		30.48	<b>MSTB 2,5/7-ST-5,08</b>	<b>17 57 06 4</b>	
8		35.56	<b>MSTB 2,5/8-ST-5,08</b>	<b>17 57 07 7</b>	

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 <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 - 12	
stranded 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

**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

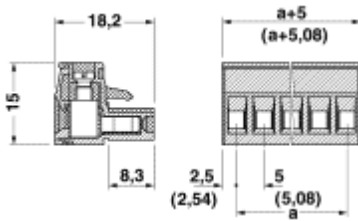
300 / 10 / 28 - 12

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

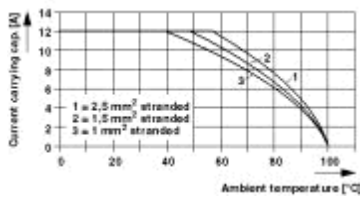
**Note:**

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.

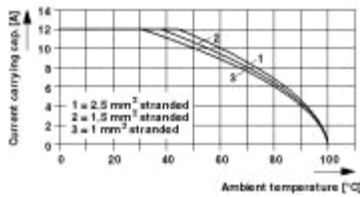
**Dimensional drawing**



**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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