

MVSTBW 2,5/...-ST

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

Pitch 5.0 or 5.08

(IEC)	rigid	flexible		I	U
[mm ²]	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.
Plugs, 5.0 mm pitch, color: green	2	5	MVSTBW 2,5/2-ST	17 92 52 4	50
	3	10	MVSTBW 2,5/3-ST	17 92 53 7	
	4	15	MVSTBW 2,5/4-ST	17 92 54 0	
	5	20	MVSTBW 2,5/5-ST	17 92 55 3	
	6	25	MVSTBW 2,5/6-ST	17 92 56 6	
	7	30	MVSTBW 2,5/7-ST	17 92 57 9	
	8	35	MVSTBW 2,5/8-ST	17 92 58 2	
	9	40	MVSTBW 2,5/9-ST	17 92 59 5	
	10	45	MVSTBW 2,5/10-ST	17 92 60 5	
	11	50	MVSTBW 2,5/11-ST	17 92 61 8	
	12	55	MVSTBW 2,5/12-ST	17 92 62 1	
	13	60	MVSTBW 2,5/13-ST	17 92 63 4	
	14	65	MVSTBW 2,5/14-ST	17 92 64 7	
	15	70	MVSTBW 2,5/15-ST	17 92 65 0	
	16	75	MVSTBW 2,5/16-ST	17 92 66 3	
	17	80	MVSTBW 2,5/17-ST	17 92 67 6	
	18	85	MVSTBW 2,5/18-ST	17 92 68 9	
	19	90	MVSTBW 2,5/19-ST	17 92 69 2	
	20	95	MVSTBW 2,5/20-ST	17 92 70 2	
	21	100	MVSTBW 2,5/21-ST	17 92 71 5	
	22	105	MVSTBW 2,5/22-ST	17 92 72 8	
	23	110	MVSTBW 2,5/23-ST	17 92 73 1	
	24	115	MVSTBW 2,5/24-ST	17 92 74 4	
Plugs, 5.08 mm pitch, color: green	2	5.08	MVSTBW 2,5/2-ST-5,08	17 92 75 7	50
	3	10.16	MVSTBW 2,5/3-ST-5,08	17 92 76 0	
	4	15.24	MVSTBW 2,5/4-ST-5,08	17 92 77 3	
	5	20.32	MVSTBW 2,5/5-ST-5,08	17 92 78 6	
	6	25.40	MVSTBW 2,5/6-ST-5,08	17 92 79 9	
	7	30.48	MVSTBW 2,5/7-ST-5,08	17 92 80 2	
	8	35.44	MVSTBW 2,5/8-ST-5,08	17 92 81 5	

7	30.48	MVSTBW 2,5/7-ST-5,08	17 92 80 9
8	35.56	MVSTBW 2,5/8-ST-5,08	17 92 81 2
9	40.64	MVSTBW 2,5/9-ST-5,08	17 92 82 5
10	45.72	MVSTBW 2,5/10-ST-5,08	17 92 83 8
11	50.80	MVSTBW 2,5/11-ST-5,08	17 92 84 1
12	55.88	MVSTBW 2,5/12-ST-5,08	17 92 85 4
13	60.96	MVSTBW 2,5/13-ST-5,08	17 92 86 7
14	66.04	MVSTBW 2,5/14-ST-5,08	17 92 87 0
15	71.12	MVSTBW 2,5/15-ST-5,08	17 92 88 3
16	76.20	MVSTBW 2,5/16-ST-5,08	17 92 89 6
17	81.28	MVSTBW 2,5/17-ST-5,08	17 92 90 6
18	86.36	MVSTBW 2,5/18-ST-5,08	17 92 91 9
19	91.44	MVSTBW 2,5/19-ST-5,08	17 92 92 2
20	96.52	MVSTBW 2,5/20-ST-5,08	17 92 93 5
21	101.60	MVSTBW 2,5/21-ST-5,08	17 92 94 8
22	106.68	MVSTBW 2,5/22-ST-5,08	17 92 95 1
23	111.76	MVSTBW 2,5/23-ST-5,08	17 92 96 4
24	116.84	MVSTBW 2,5/24-ST-5,08	17 92 97 7

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

Nominal voltage / current /
conductor sizes

300 / 10 / 30 - 12

300 / 10 / 28 - 12

Products with black or gray housing available on request.

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.

Figure 10 is a line graph showing the relationship between current-carrying capacity (A) and ambient temperature (°C) for three different conductor types. The y-axis represents current-carrying capacity in Amperes (A), ranging from 0 to 14. The x-axis represents ambient temperature in degrees Celsius (°C), ranging from 0 to 100. Three curves are plotted, all starting at 12 A at 40°C and decreasing as temperature increases. Curve 1 (2.5 mm² stranded) is the highest, followed by curve 2 (1.5 mm² stranded), and curve 3 (1 mm² stranded) is the lowest.

Ambient temperature (°C)	Current-carrying capacity (A) - Curve 1 (2.5 mm² stranded)	Current-carrying capacity (A) - Curve 2 (1.5 mm² stranded)	Current-carrying capacity (A) - Curve 3 (1 mm² stranded)
40	12	12	12
60	11.5	11	10.5
80	10.5	10	9.5
100	9	8.5	8

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

