



A

Circular

Straight Plug (continued)

Performance Specifications - Page A-84

Contact, Ceiling Plugs, Assembly Tools - Page A-105

Contact Arrangements - Page A-85 – A-89

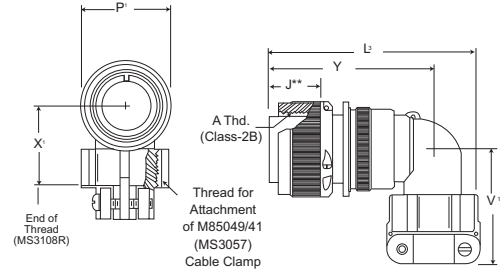
Shell Size	A Thread	Shell Size	A Thread
8S	1/2-28UNEF-2A	16	1-20UNEF-2A
10S	5/8-24UNEF-2A	18	1-1/8-18UNEF-2A
10SL	5/8-24UNEF-2A	20	1-1/4-18UNEF-2A
12S	3/4-20UNEF-2A	22	1-3/8-18UNEF-2A
14S	7/8-20UNEF-2A	24	1-1/2-18UNEF-2A
16S	1-20UNEF-2A	28	1-3/4-18UNS-2A
12	3/4-20UNEF-2A	32	2-18UNS-2A
14	7/8-20UNEF-2A	36	2-1/4-16UN-2A
		40	2-1/2-16UN-2A

90° Angle Plug

MS3108E / MS3108R

CA3108E / CA3108R

MS3108R 90° angle plugs with O-ring seal (less cable clamp) and the MS3108E 90° angle plugs (less O-ring seal with cable clamp) are used where there is limited space and where wires must be brought at abrupt angles. These plugs will mate with 3100, 3101 and 3102 receptacles.



Shell Size	B Min.	J** Max.	K Max.	L Max.	L ³ Max.	M +.031 (0.79) -0.000 (0.00)	P Max.	P ¹ Max.	R ± .005	S ± .031	T + .010 - .005	V ¹ Max.	X ¹ Max.	Y Max.
8S	.375 (9.53)	.536 (13.61)	.125 (3.18)	1.040 (26.42)	2.156 (54.76)	.562 (14.27)	.426 (10.86)	.844 (21.44)	.594 (15.09)	.875 (22.23)	.120 (3.05)	1.281 (30.94)	.811 (20.60)	1.640 (41.66)
10S	.375 (9.53)	.536 (13.61)	.125 (3.18)	1.040 (26.42)	2.156 (54.76)	.562 (14.27)	.520 (13.21)	.969 (24.61)	.719 (18.26)	1.000 (25.40)	.120 (3.05)	1.250 (31.75)	.842 (21.39)	1.640 (41.66)
10SL	.375 (9.53)	.536 (13.61)	.125 (3.18)	1.040 (26.42)	2.188 (55.58)	.562 (14.27)	.614 (15.60)	.969 (24.61)	.719 (18.26)	1.000 (25.40)	.120 (3.05)	1.281 (32.54)	.873 (22.17)	1.703 (43.26)
12S	.375 (9.53)	.536 (13.61)	.140 (3.56)	1.040 (26.42)	2.188 (55.58)	.562 (14.27)	.614 (15.60)	1.062 (26.97)	.812 (20.62)	1.094 (27.79)	.120 (3.05)	1.281 (32.54)	.873 (22.17)	1.703 (43.26)
14S	.375 (9.53)	.536 (13.61)	.140 (3.56)	1.040 (26.42)	2.312 (58.72)	.562 (14.27)	.739 (18.77)	1.156 (29.36)	.906 (23.01)	1.188 (30.18)	.120 (3.05)	1.406 (35.71)	.936 (23.77)	1.765 (44.83)
16S	.375 (9.53)	.536 (13.61)	.140 (3.56)	1.040 (26.42)	2.406 (61.11)	.562 (14.27)	.664 (21.95)	1.250 (31.75)	.969 (24.61)	1.281 (32.54)	.120 (3.05)	1.531 (38.89)	.998 (25.35)	1.796 (45.62)
12	.625 (15.88)	.724 (18.39)	.146 (3.71)	1.400 (35.56)	2.531 (64.29)	.750 (19.05)	.614 (15.60)	1.062 (26.97)	.812 (20.62)	1.094 (27.79)	.120 (3.05)	1.281 (32.54)	.873 (22.17)	2.062 (52.37)
14	.625 (15.88)	.724 (18.39)	.146 (3.71)	1.400 (35.56)	2.688 (68.28)	.750 (19.05)	.739 (18.77)	1.156 (29.36)	.906 (23.01)	1.188 (30.18)	.120 (3.05)	1.406 (35.71)	.936 (23.77)	2.125 (53.98)
16	.625 (15.88)	.724 (18.39)	.146 (3.71)	1.400 (35.56)	2.781 (70.64)	.750 (19.05)	.864 (21.95)	1.250 (31.75)	.969 (24.61)	1.281 (32.54)	.120 (3.05)	1.531 (38.89)	.998 (25.35)	2.156 (54.76)
18	.625 (15.88)	.724 (18.39)	.180 (4.57)	1.400 (35.56)	2.844 (72.24)	.750 (19.05)	.989 (25.12)	1.344 (34.14)	1.062 (26.97)	1.375 (34.93)	.120 (3.05)	1.593 (40.46)	1.061 (26.95)	2.250 (57.15)
20	.625 (15.88)	.724 (18.39)	.180 (4.57)	1.400 (35.56)	3.250 (82.55)	.750 (19.05)	1.145 (29.08)	1.469 (37.31)	1.156 (29.36)	1.500 (38.10)	.120 (3.05)	1.656 (42.06)	1.123 (28.52)	2.312 (58.72)
22	.625 (15.88)	.724 (18.39)	.180 (4.57)	1.400 (35.56)	3.250 (82.55)	.750 (19.05)	1.270 (32.26)	1.594 (40.49)	1.250 (31.75)	1.625 (41.28)	.120 (3.05)	1.718 (43.64)	1.186 (30.12)	2.312 (58.72)
24	.625 (15.88)	.724 (18.39)	.203 (5.16)	1.400 (35.56)	3.719 (94.46)	.812 (20.62)	1.395 (35.43)	1.719 (43.66)	1.375 (34.93)	1.750 (44.45)	.147 (3.73)	1.890 (48.01)	1.263 (32.08)	2.531 (64.29)
28	.625 (15.88)	.724 (18.39)	.203 (5.16)	1.400 (35.56)	3.719 (94.46)	.812 (20.62)	1.614 (41.00)	1.969 (50.01)	1.562 (39.67)	2.000 (50.80)	.147 (3.73)	1.968 (49.99)	1.342 (34.09)	2.531 (64.29)
32	.625 (15.88)	.724 (18.39)	.203 (5.16)	1.400 (35.56)	4.188 (106.38)	.875 (22.23)	1.864 (47.35)	2.219 (56.36)	1.750 (44.45)	2.250 (57.15)	.173 (4.39)	2.187 (55.55)	1.561 (39.65)	2.750 (69.85)
36	.625 (15.88)	.724 (18.39)	.203 (5.16)	1.400 (35.56)	4.297 (109.14)	.875 (22.23)	2.051 (52.10)	2.469 (62.71)	1.938 (49.23)	2.500 (63.50)	.173 (4.39)	2.406 (61.11)	1.780 (45.21)	2.875 (73.02)
40	.625 (15.88)	.724 (18.39)	.203 (5.16)	1.400 (35.56)	7.211 (183.10)†	.875 (22.23)	2.390 (60.71)	2.723 (69.16)†	2.188 (55.58)	2.750 (69.85)	.173 (4.39)	5.875 (149.22)	-	5.690 (144.53)

† Not to MS specification

Shell Size	A Thread Box Mounting Receptacle	A Thread 90° Angle Plug	Shell Size	A Thread Box Mounting Receptacle	A Thread 90° Angle Plug
8S	1/2-28UNEF-2A	1/2-28UNEF-2B	16	1-20UNEF-2A	1-20UNEF-2B
10S	5/8-24UNEF-2A	5/8-24UNEF-2B	18	1-1/8-18UNEF-2A	1-1/8-18UNEF-2B
10SL	5/8-24UNEF-2A	5/8-24UNEF-2B	20	1-1/4-18UNEF-2A	1-1/4-18UNEF-2B
12S	3/4-20UNEF-2A	3/4-20UNEF-2B	22	1-3/8-18UNEF-2A	1-3/8-18UNEF-2B
14S	7/8-20UNEF-2A	7/8-20UNEF-2B	24	1-1/2-18UNEF-2A	1-1/2-18UNEF-2B
16S	1-20UNEF-2A	1-20UNEF-2B	28	1-3/4-18UNS-2A	1-3/4-18UNS-2B
12	3/4-20UNEF-2A	3/4-20UNEF-2B	32	2-18UNS-2A	2-18UNS-2B
14	7/8-20UNEF-2A	7/8-20UNEF-2B	36	2-1/4-16UN-2A	2-1/4-16UN-2B
			40	2-1/2-16UN-2A	2-1/2-16UN-2B

Performance Specifications - Page A-84

Contact, Ceiling Plugs, Assembly Tools - Page A-105

Contact Arrangements - Page A-85 – A-89