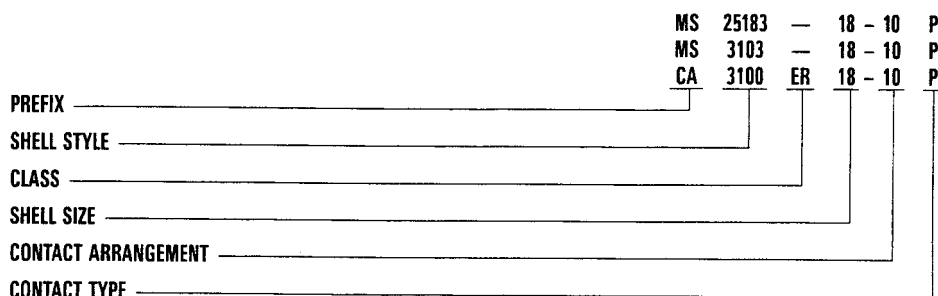


How to Order

MS type potting connectors are available with nylon cups. 00 and 06 shell styles with plastic cups and resilient insulators meet the requirements of MS3103 and MS25183. Also available is the 08 plug with resilient insulator and 90° angle nylon potting cup.

ITT Cannon provides for a 1/4" clearance for potting on all contact sizes.



**PREFIX**  
CA – ITT Cannon prefix indicating special application or variation of MS

**SHELL SIZE**  
Coupling thread diameter figured in sixteenths of an inch

**SHELL STYLE**  
3100 – Wall mounting receptacle (MS3103)  
3106 – Straight plug (MS25183)  
3108 – 90° angle plug

**CONTACT ARRANGEMENTS**  
See pages 171-174.

**CLASS**  
ER – Resilient insulator, nylon potting cup and thread attachment ring  
No class designator for MS types.

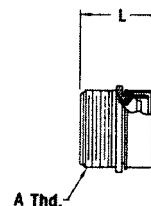
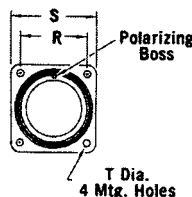
**CONTACT TYPE**  
P for Pin; S for Socket

Wall Mounting Receptacle

MS3103  
Nylon Potting Cup  
Threaded Attachment Ring



CA3100ER



The CA3100ER receptacle (MS3103) is supplied with a resilient insulator and a nylon potting cup with a threaded attachment ring. This receptacle mates with 3106, 3107, and 3108 plugs.

Shell Size	L Max.	R ±.005 (±0.13)	S Max.	T +.010 (+0.25) -.005 (+0.13)	A Thread
8S	1.531 (38.89)	.594 (15.09)	.906 (23.01)	.120 (3.05)	1/2-28UNEF-2A
10S	1.531 (38.89)	.719 (18.26)	1.031 (26.19)	.120 (3.05)	5/8-24NEF-2A
10SL	1.531 (38.89)	.719 (18.26)	1.031 (26.19)	.120 (3.05)	5/8-24NEF-2A
12S	1.531 (38.89)	.812 (20.62)	1.125 (28.58)	.120 (3.05)	3/4-20UNEF-2A
14S	1.531 (38.89)	.906 (23.01)	1.219 (30.96)	.120 (3.05)	7/8-20UNEF-2A
16S	1.531 (38.89)	.969 (24.61)	1.312 (33.32)	.120 (3.05)	1-20UNEF-2A
12	1.968 (49.99)	.812 (20.62)	1.125 (28.58)	.120 (3.05)	3/4-20UNEF-2A
14	1.968 (49.99)	.906 (23.01)	1.219 (30.96)	.120 (3.05)	3/4-20UNEF-2A
16	1.968 (49.99)	.968 (24.59)	1.312 (33.32)	.120 (3.05)	1-20UNEF-2A
18	1.968 (49.99)	1.062 (26.97)	1.406 (35.71)	.120 (3.05)	1-1/8-18NEF-2A
20	2.188 (55.58)	1.156 (29.36)	1.531 (38.89)	.120 (3.05)	1-1/4-18NEF-2A
22	2.188 (55.58)	1.250 (31.75)	1.656 (42.06)	.120 (3.05)	1-3/8-18NEF-2A
24	2.188 (55.58)	1.375 (34.92)	1.781 (45.24)	.147 (3.73)	1-1/2-18NEF-2A
28	2.188 (55.58)	1.562 (39.67)	2.031 (51.59)	.147 (3.73)	1-3/4-18NS-2A
32	2.188 (55.58)	1.750 (44.45)	2.281 (57.94)	.173 (4.39)	2-18NS-2A
36	2.188 (55.58)	1.938 (49.23)	2.531 (64.29)	.173 (4.39)	2-1/4-16UN-2A

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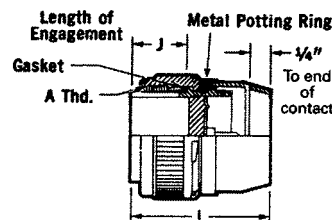
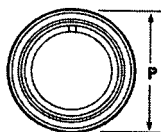
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Contact Arrangements – Page 171-174

Straight Plug

MS25183  
Nylon Potting Cup  
Rubber Gasket

CA3106ER

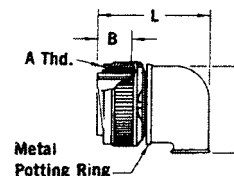
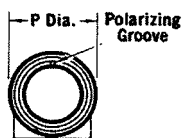


The CA3106ER plug is supplied with resilient insulators, nylon potting cups with threaded attachment rings, and a rubber gasket under the coupling nut. This plug mates with 3100 and 3102 receptacles and 3101 plugs.

90° Angle Plug

Nylon Potting Cup  
Rubber Gasket

CA3108ER



The CA3108ER is supplied with resilient insulator, 90° nylon potting cup and threaded attachment ring with a rubber gasket under the coupling nut. This plug mates with 3100 and 3102 receptacles and 3101 plugs.

CA3106ER					CA3108ER					
Shell Size	J Max.	L Max.	P Max.	A Thread	B Max.	D Max.	L Max.		P Max.	A Thread
							For Arr. w/ #16 & #12 Contacts	For Arr. w/ #8 & #4 Contacts		
8S	.536 (13.61)	1.562 (39.67)	.844 (21.44)	1/2-28UNEF-2B	—	—	—	—	—	—
10S	.536 (13.61)	1.562 (39.67)	.969 (24.61)	5/8-24UNEF-2B	—	—	—	—	—	—
10SL	.536 (13.61)	1.562 (39.67)	.969 (24.61)	5/8-24UNEF-2B	.536 (13.61)	1.040 (26.42)	1.463 (37.16)	—	.969 (24.61)	5/8-24UNEF-2B
12S	.536 (13.61)	1.562 (39.67)	1.062 (26.97)	3/4-20UNEF-2B	.536 (13.61)	1.040 (26.42)	1.600 (40.64)	—	1.062 (26.97)	3/4-24UNEF-2B
14S	.536 (13.61)	1.562 (39.67)	1.156 (29.36)	7/8-20UNEF-2B	.536 (13.61)	1.040 (26.42)	1.600 (40.64)	2.300 (58.42)	1.156 (29.36)	7/8-20UNEF-2B
16S	.536 (13.61)	1.562 (39.67)	1.250 (31.75)	1-20UNEF-2B	.536 (13.61)	1.290 (32.77)	1.600 (40.64)	2.550 (64.77)	1.250 (31.75)	1-20UNEF-2B
12	.724 (18.39)	2.000 (50.80)	1.062 (26.97)	3/4-20UNEF-2B	.724 (18.39)	1.040 (26.42)	1.910 (48.51)	—	1.062 (26.97)	3/4-20UNEF-2B
14	.724 (18.39)	2.000 (50.80)	1.156 (29.36)	7/8-20UNEF-2B	.724 (18.39)	1.040 (26.42)	1.910 (48.51)	2.610 (66.29)	1.156 (29.36)	7/8-20UNEF-2B
16	.724 (18.39)	2.000 (50.80)	1.250 (31.75)	1-20UNEF-2B	.724 (18.39)	1.290 (32.77)	1.910 (48.51)	2.850 (72.39)	1.250 (31.75)	1-20UNEF-2B
18	.724 (18.39)	2.000 (50.80)	1.344 (34.14)	1-1/8-18UNEF-2B	.724 (18.39)	1.290 (32.77)	2.100 (53.34)	2.850 (72.39)	1.344 (34.14)	1-1/8-18UNEF-2B
20	.724 (18.39)	2.125 (53.98)	1.469 (37.31)	1-1/4-18UNEF-2B	.724 (18.39)	1.540 (39.12)	2.100 (53.34)	2.850 (72.39)	1.469 (37.31)	1-1/4-18UNEF-2B
22	.724 (18.39)	2.125 (53.98)	1.594 (40.49)	1-3/8-18UNEF-2B	.724 (18.39)	1.540 (39.12)	2.100 (53.34)	2.850 (72.39)	1.594 (40.49)	1-3/8-18UNEF-2B
24	.724 (18.39)	2.125 (53.98)	1.719 (43.66)	1-1/2-18UNEF-2B	.724 (18.39)	1.790 (45.47)	2.281 (57.94)	2.985 (75.82)	1.719 (43.66)	1-1/2-18UNEF-2B
28	.724 (18.39)	2.125 (53.98)	1.969 (50.01)	1-3/4-18UNS-2B	.724 (18.39)	2.040 (51.82)	2.485 (63.12)	2.985 (75.82)	1.969 (50.01)	1-3/4-18UNS-2B
32	.724 (18.39)	2.180 (55.37)	1.219 (30.96)	2-18UNS-2B	.724 (18.39)	2.290 (58.17)	2.485 (63.12)	2.985 (75.82)	1.219 (30.96)	2-18UNS-2B
36	.724 (18.39)	2.180 (55.37)	2.469 (62.71)	2-1/4-16UN-2B	.724 (18.39)	2.540 (64.52)	2.485 (63.12)	2.985 (75.82)	2.469 (62.71)	2-1/4-16UN-2B
40	.724 (18.39)	2.180 (55.37)	2.723 (69.16)	2-1/2-16UN-2B						

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Circular Connectors