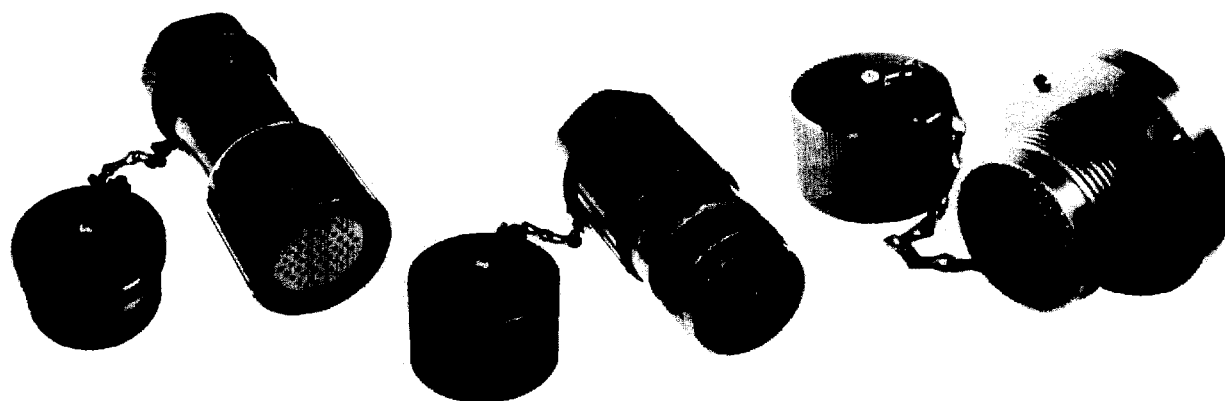


89M Series



Waterproof Type



SUMMARY

The 89M series is designed and manufactured to perform in outdoor and underwater use. There is no functional deterioration under rain, snow, or submerged conditions. These products are suitable for a wide range of applications including field communications, broadcasting, marine equipment and machine tools.

Connector design features "O" rings and gaskets to withstand water pressure of 20Kgf/cm² (equivalent of 200 meter water depth) and special trapezoid coupling thread (ACME thread) for improved strength. 89M is not intermateable with DMS and CE02.

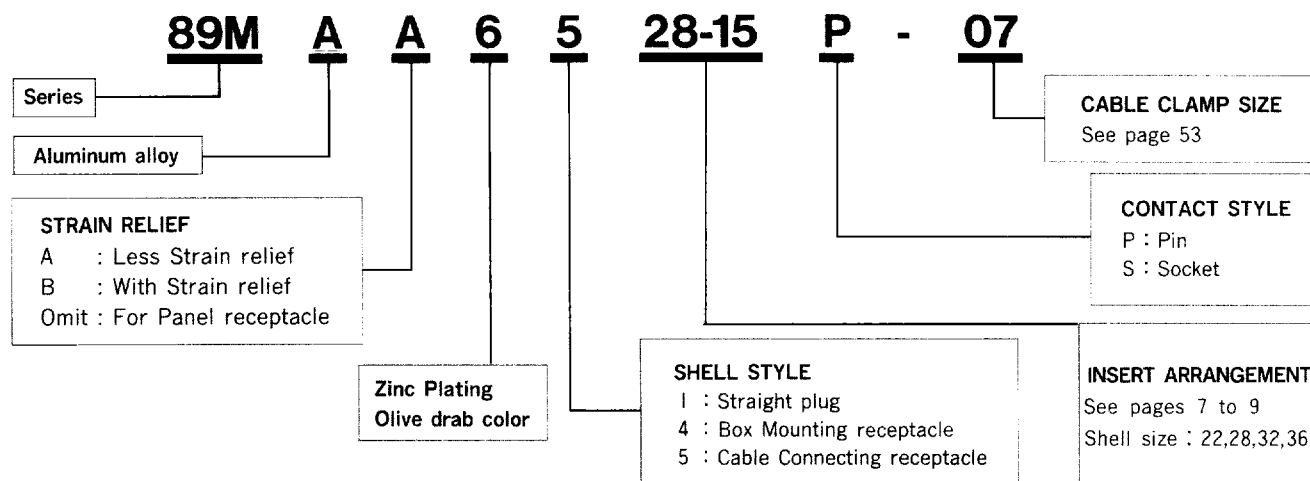
Material/Finish

Shell.....Aluminum alloy/Zinc plating, Olive drab chromate finish

InsulatorDiallyl phthalate resin/Blue

Contact.....Copper alloy/Silver plating

Ordering Information



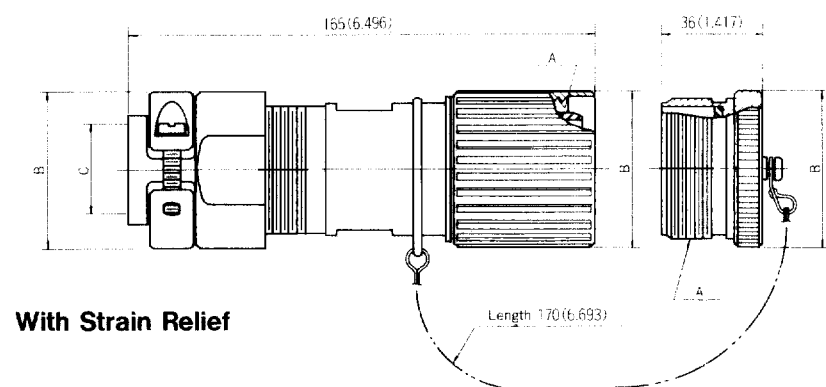
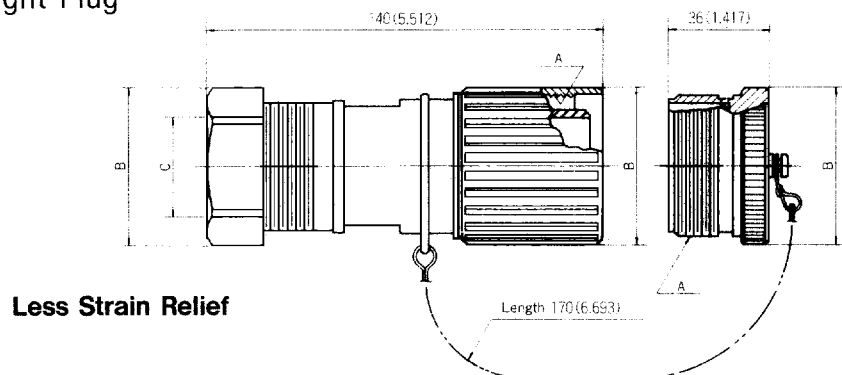
89M Series



89MAx61

Straight Plug

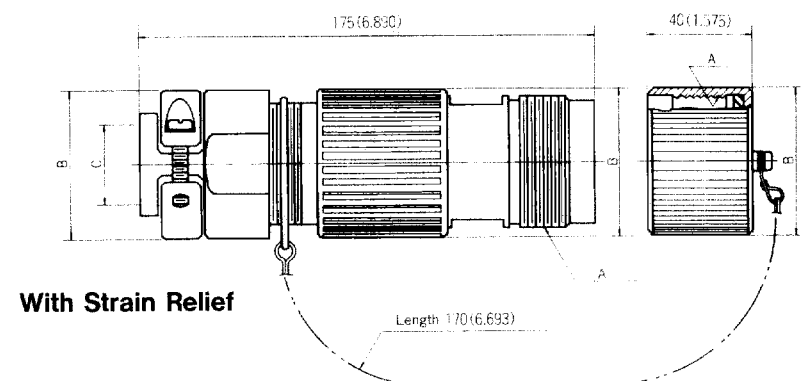
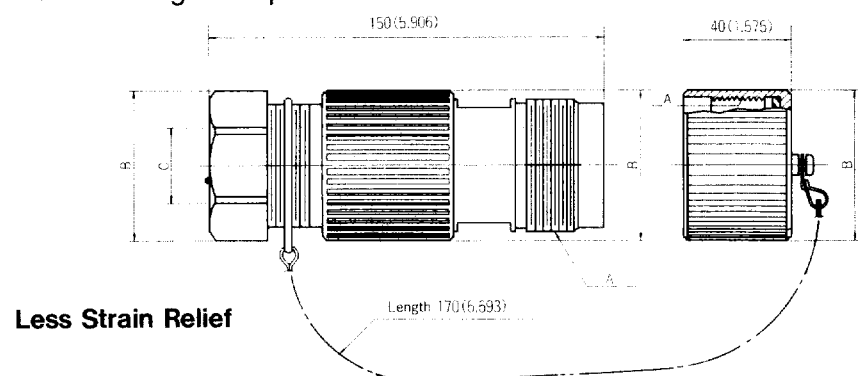
Unit : mm(inch)



Shell Size	Threads A	B
22	TM42 × 3	48 (1.890)
28	TM50 × 3	56 (2.205)
32	TM56 × 3	62 (2.411)
36	TM62 × 3	70 (2.756)

89MAx65

Cable Connecting Receptacle



Shell Size	Threads A	B
22	TM42 × 3	48 (1.890)
28	TM50 × 3	56 (2.205)
32	TM56 × 3	62 (2.411)
36	TM62 × 3	70 (2.756)

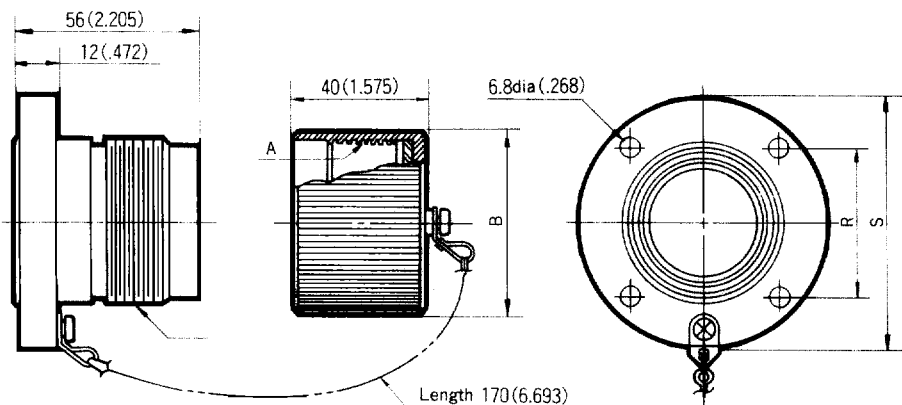
89M Series



89MA64

Box Mounting Receptacle

Unit : mm(inch)

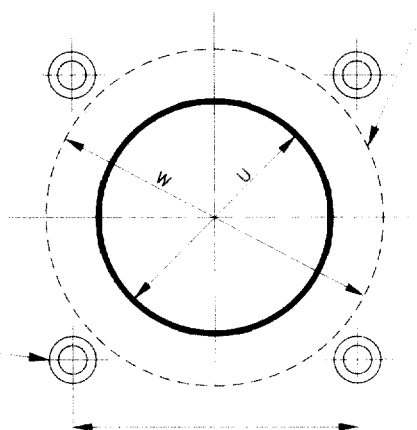


Shell Size	Threads A	B	R	S
22	TM24×3	48 (1.890)	40.6 (1.598)	70 (2.756)
28	TM50×3	56 (2.205)	46 (1.811)	78 (3.071)
32	TM56×3	62 (2.411)	53 (2.087)	88 (3.465)
36	TM62×3	70 (2.756)	56 (2.205)	94 (3.071)

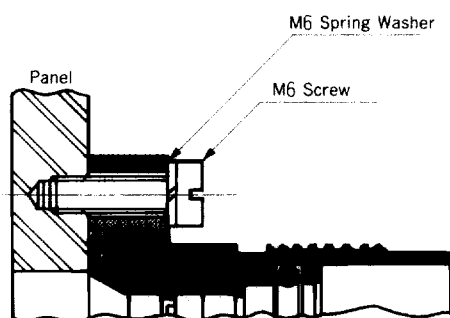
Panel Cutout

O-ring Mounting surface
finish to be 63 microinches
or better in this area

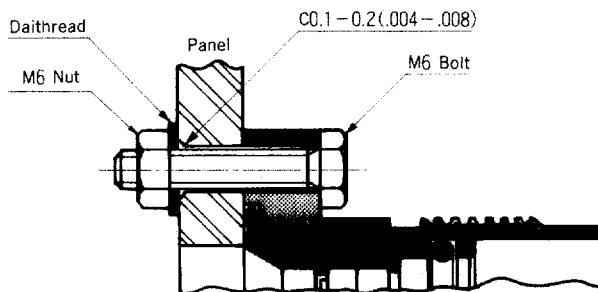
4-M6 Thread for mounting method(1)
4-6.5^{+0.3}₋₀ (.256^{+0.012}₋₀) for mounting method(2)



Shell Size	U	R	W
22	34.5 (1.358)	40.6 (1.598)	50 (1.969)
28	41.5 (1.634)	40 (1.811)	57 (2.244)
32	48.5 (1.909)	53 (2.087)	66 (2.598)
36	53.5 (2.106)	56 (2.205)	69 (2.717)



Mounting Method (1)



Mounting Method (2)

Cable Clamp

Unit : mm (inch)

Cable Clamp Size	C	Cable Outer Diameter	Shell Size			
			22	28	32	36
07	12.7 (.500)	9.5~11.1 (.374~.437)	●			
08	12.7 (.500)	11.2~12.7 (.441~.500)	●			
09	15.9 (.626)	12.8~14.3 (.504~.563)	●			
10	15.9 (.626)	14.4~15.9 (.567~.626)	●			
11	19.1 (.752)	16.0~17.5 (.630~.689)	●			
12	19.1 (.752)	17.6~19.1 (.693~.752)	●			
13	22.2 (.874)	19.2~20.6 (.756~.811)	●	●		
14	22.2 (.874)	20.7~22.2 (.815~.874)		●		
15	25.4 (1.000)	22.3~23.8 (.878~.937)		●		
16	25.4 (1.000)	23.9~25.4 (.941~1.000)		●	●	

Cable Clamp Size	C	Cable Outer Diameter	Shell Size			
			22	28	32	36
17	28.6 (1.126)	25.5~27.0 (1.004~1.063)		●	●	
18	28.6 (1.126)	27.1~28.6 (1.067~1.126)		●	●	●
19	31.8 (1.252)	28.7~30.2 (1.130~1.189)		●	●	●
20	31.8 (1.252)	30.3~31.8 (1.193~1.252)			●	●
21	34.9 (1.374)	31.9~33.3 (1.256~1.311)			●	●
22	34.9 (1.374)	33.4~34.9 (1.315~1.374)			●	●
23	38.1 (1.500)	35.0~36.5 (1.378~1.437)				●
24	38.1 (1.500)	36.6~38.1 (1.441~1.500)				●
25	39.7 (1.563)	38.2~39.7 (1.504~1.563)				●

Assembly

