

Moistureproof Type Bayonet Lock Coupling



EB series connectors meet the performance criteria of most factory automation applications. They withstand exposure to moisture, oil and vibration. Resilient insulator provides improved environmental sealing.



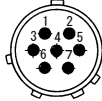
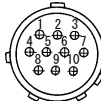
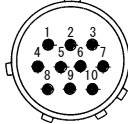
MATERIAL/FINISH

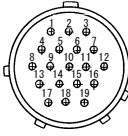
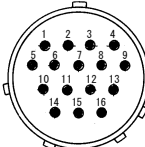
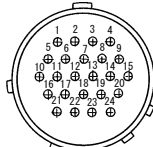
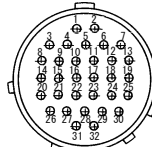
Insulator	Chloroprene synthetic rubber/Black
Contact	Copper alloy/Silver or Gold plating
Shell	Zinc alloy/Olive drab chromate finish
Hood	Aluminum alloy/Olive drab chromate finish
Bushing	Chloroprene synthetic rubber/Black
Cap	Chloroprene synthetic rubber/Black or Metal/Olive drab chromate finish

Specification

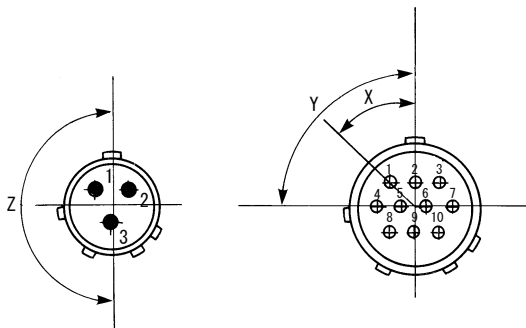
		Contact size	
		#20	#16
Voltage rating (max.)		250V AC (rms), 350V DC	
Current rating (max.)		5A	10A
Operating temperature		−25°C to +85°C	
Insulation resistance		1000MΩ min. at 500V DC	
Dielectric withstanding voltage		1000V AC (rms) at sea level	
Contact resistance		5mΩ max. at 1A	
Vibration		10–55Hz, Amplitude: 1.5mm	
Shock		Acceleration 50G	
Durability		500 cycles	
Humidity (Steady state)		40°C, 90 to 95%, 96 hours	
Tempertaure cycle		−40°C to + 100°C, 5 cycles	
Salt spray		5%, 35°C, 48 hours	
Wire size	Contact	AWG #20	AWG #16
	Wire size	AWG #20 or Less	AWG #16 or Less

Insert Arrangements (Front View of Male Insert)

Insert No.	1303	1307	1607	1610	2110
Arrangements					
No. of Contacts	#16-3	#20-7	#16-7	#20-10	#16-10
Shell Size	13	13	16	16	21

Insert No.	2119	2516	2524	2532
Arrangements				
No. of Contacts	#20-19	#16-16	#20-24	#20-32
Shell Size	21	25	25	25

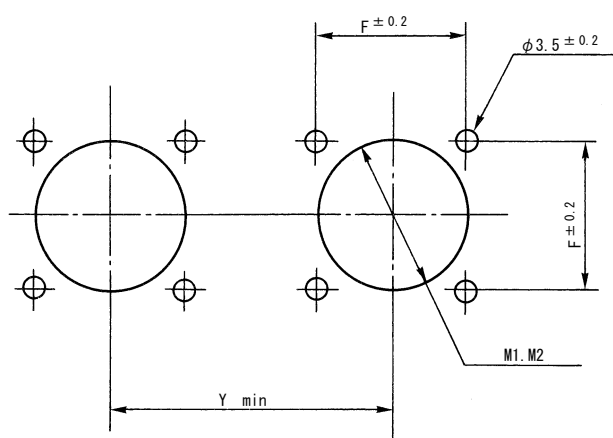
Alternate Insert Positions



Front view of pin insert

Insert No.	Contact Size/ No. of Contacts	X	Y	Z
1303	#16/3	—	—	180°
1307	#20/7	—	90°	—
1607	#16/7	30°	—	—
1610	#20/10	45°	90°	—
2110	#20/10	45°	90°	—
2119	#20/19	45°	90°	—
2516	#16/16	45°	90°	—
2524	#20/24	45°	90°	—
2532	#20/32	45°	90°	—

Panel Cut-out (for EBR/EBWR/EBEL)



Shell Size	F	M ₁	M ₂	Y
13	20	17	19	42
16	23	21	23	46
21	26	25	27	50
25	29	29	31	54

M₁: Front mounting holes dia. (Shell style "R" only)

M₂: Rear mounting holes dia.

EBSP2524MXGS**SHELL STYLE**

SP: Straight Plug
 LP: Angle Plug
 R: Box Mounting Receptacle
 WR: Wall Mounting Receptacle
 CR: Cable Connecting Receptacle
 WL: Angle Wall Mounting Receptacle
 CL: Angle Cable Connecting Receptacle

INSERT ARRANGEMENT

See table

FLANGE GASKET

Omit: Less Gasket
 S: With Gasket

CONTACT PLATING

Omit: Silver plating
 G: Gold plating

ALTERNATE INSERT POSITION

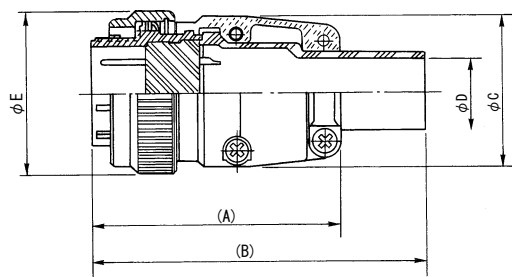
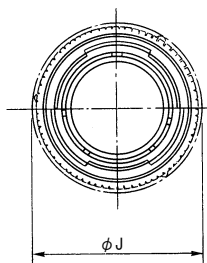
Omit: Standard position
 X, Y, Z: Alternate position

CONTACT STYLE

M: Male (pin)
 F: Female (Socket)

Straight Plug

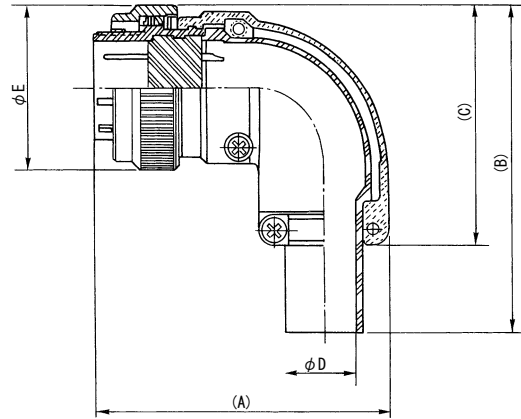
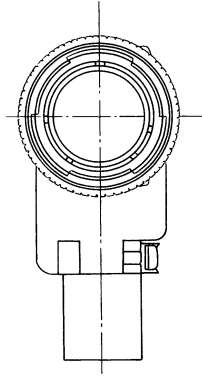
EBSP□□□□□□□□



Shell Size	A	B	C	D	E	J
13	51.6	71.6	23.5	8.2	25.5	27.0
16	53.6	73.6	27.4	9.2	29.5	31.0
21	55.6	75.6	31.6	12.2	33.5	35.5
25	57.6	77.6	34.8	15.0	37.4	38.7

■ Angle Plug

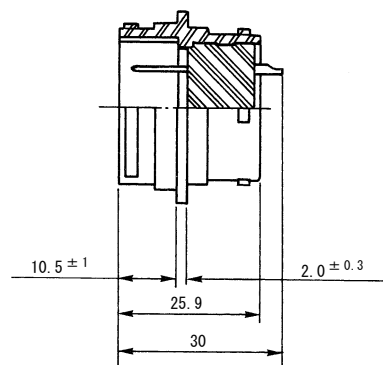
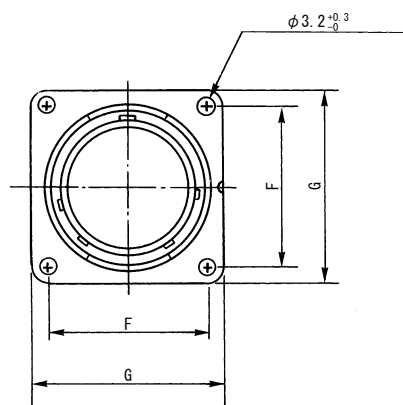
EBLP□□□□□□□□



Shell Size	A	B	C	D	E
13	55.5	63.1	43.1	8.2	25.5
16	60.0	67.1	47.1	9.2	29.5
21	63.8	71.1	51.1	12.2	33.5
25	68.0	74.7	54.7	15.0	37.4

■ Box Mounting Receptacle

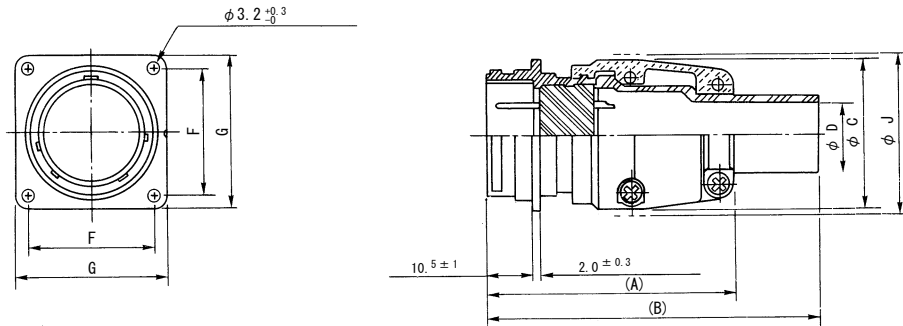
EBR□□□□□□□□



Shell Size	F	G
13	20	26
16	23	29
21	26	32
25	29	35

■ Wall Mounting Receptacle

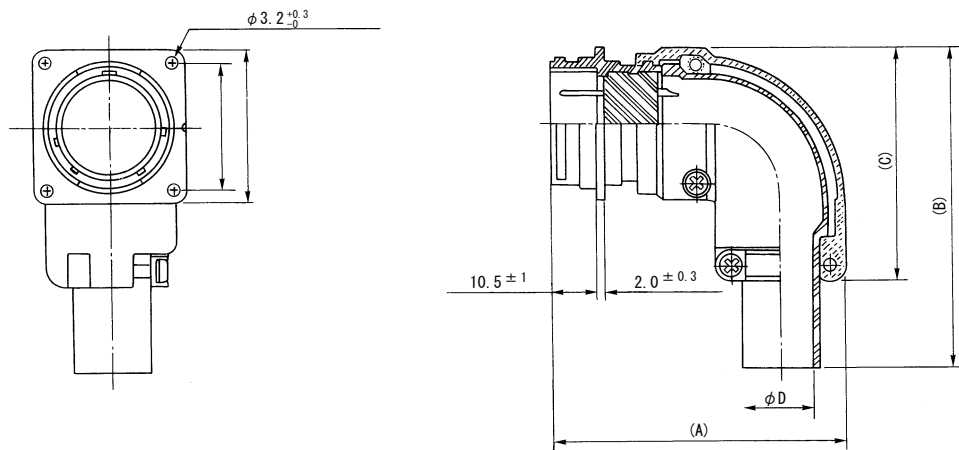
EBWR□□□□□□□□



Shell Size	A	B	C	D	F	G	J
13	51.6	71.6	23.5	8.2	20	26	27.0
16	53.6	73.6	27.4	9.2	23	29	31.0
21	55.6	75.6	31.6	12.2	26	32	35.5
25	57.6	77.6	34.8	15.0	29	35	38.7

■ Angle Wall Mounting Receptacle

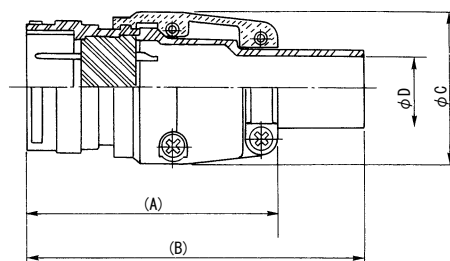
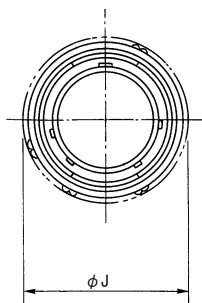
EBWL□□□□□□□□



Shell Size	A	B	C	D
13	55.5	61.9	41.9	8.2
16	60.0	66.0	46.0	9.2
21	63.8	70.2	50.2	12.2
25	68.0	73.4	53.4	15.0

■ Cable Connecting Receptacle

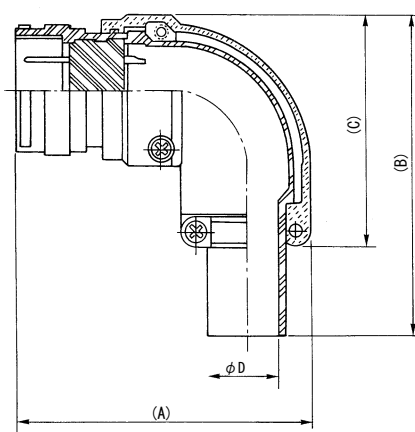
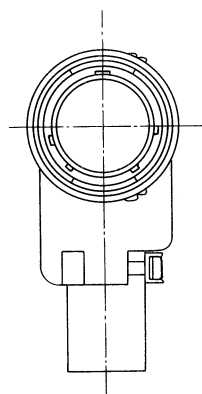
EBCR□□□□□□□□



Shell Size	A	B	C	D	J
13	51.6	71.6	23.5	8.2	27.0
16	53.6	73.6	27.4	9.2	31.0
21	55.6	75.6	31.6	12.2	33.5
25	57.6	77.6	34.8	15.0	38.7

■ Angle Cable Connecting Receptacle

EBCL□□□□□□□□



Shell Size	A	B	C	D
13	55.5	61.9	41.9	8.2
16	60.0	66.0	46.0	9.2
21	63.8	70.2	50.2	12.2
25	68.0	73.4	53.4	15.0

■ Cap

EBPC25RA**CAP STYLE**

PC: Plug cap

RC: Receptacle Cap

MATERIAL

Omit: Metal

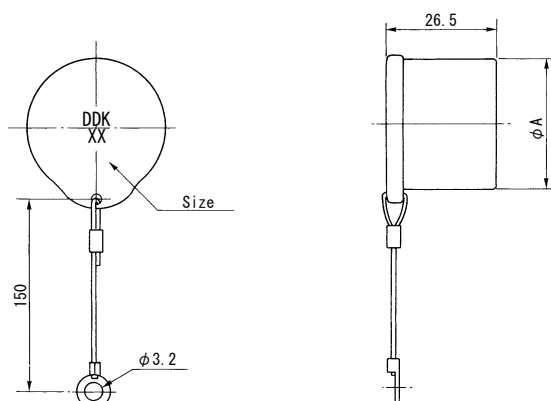
RA: Rubber

RC: Receptacle cap

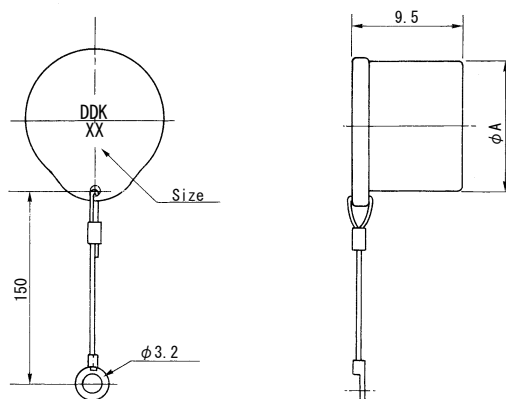
SHELL SIZE

13, 16, 21, 25

Rubber Type

EBPC□□RA (Plug Cap)

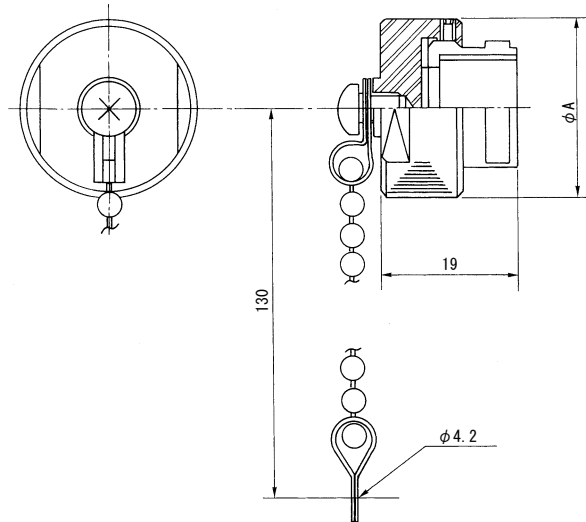
Shell Size	A
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16	35.6
21	39.6
25	43.5

EBRC□□RA (Receptacle Cap)

Shell Size	A
13	22.0
16	26.0
21	30.0
25	34.0

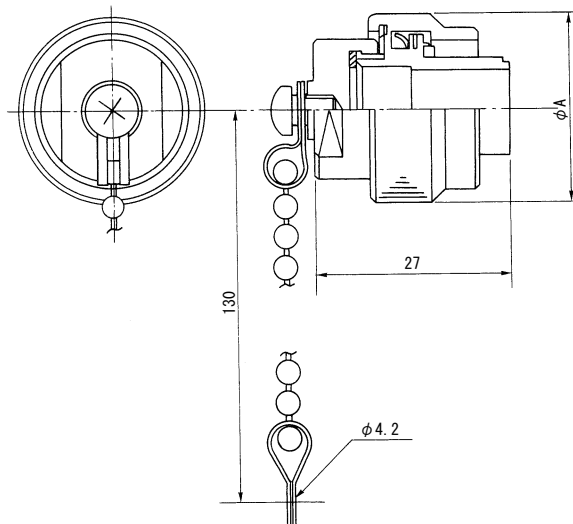
Metal Type

EBPC-□□ (Plug Cap)



Shell Size	A
13	24.4
16	28.4
21	32.4
25	36.4

EBRC-□□ (Receptacle Cap)



Shell Size	A
13	25.5
16	29.5
21	33.5
25	37.4