

YPM4 series circular electrical connector



Conform to Russian military connector standard ГЕ0.364.196.ТY.

Part number

	YPM4	4-2	J	6
	РБМ4	4-2	Ш	6
Basic series				
Contact layout (see below)				
Type of contact				
K/Г = Socket				
J/Ш= Pin				
Type of plug and receptacle				
1 = Receptacle without back shell				
2 = Receptacle with straight clamp back shell				
3 = Receptacle with sleeve back shell				
6 = Plug with sleeve back shell				
7 = Plug with straight clamp back shell				

Performance specification

Operating temperature range: -60 °C ~ +150 °C

Vibration: at 1 Hz ~ 5000 Hz, acceleration 30 g

Shock: 150g

Contact resistance:

Φ 1.0 mm 5 MΩ

Φ 1.5 mm 2.5 MΩ

Φ 2.0 mm 1.6 MΩ

Withstanding voltage of insulator: 1850 v

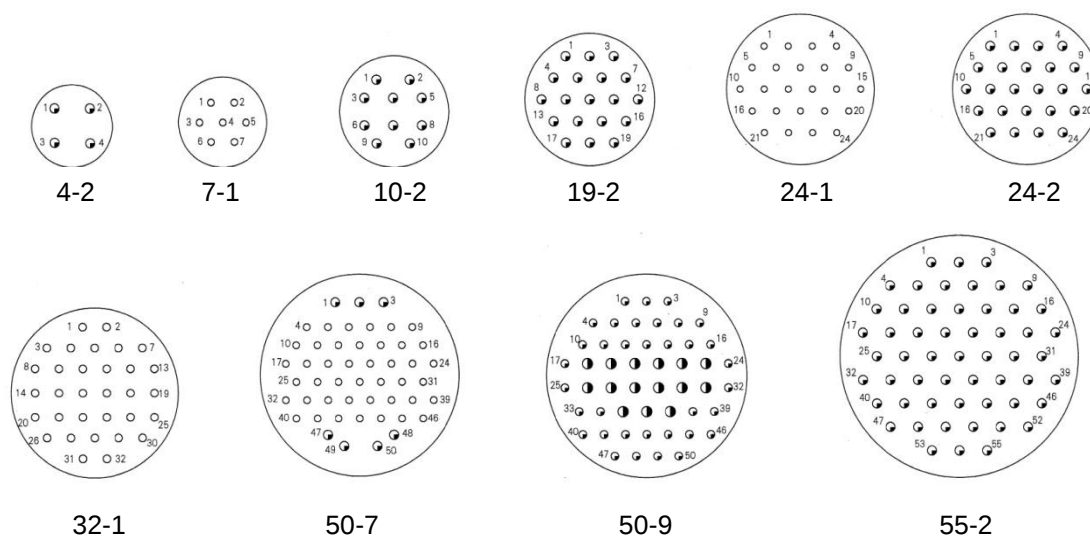
Insulation resistance: 1000 MΩ

Endurance: 1000 cycles

Electrical performance

Contact layout	Rated current (A)	Voltage (v)	Pull and push (Kg)
7-1	5.8	560	0.25
4-2	12.5		
10-2	8.3		0.3
24-1	4.2		0.35
19-2	5.8		
32-1	3.32		0.4
24-2	6.0		
50-7	3.6;5.1	560	0.6
50-9	4.5;7.0	700	
55-2	5.1	560	0.9

Contact layout

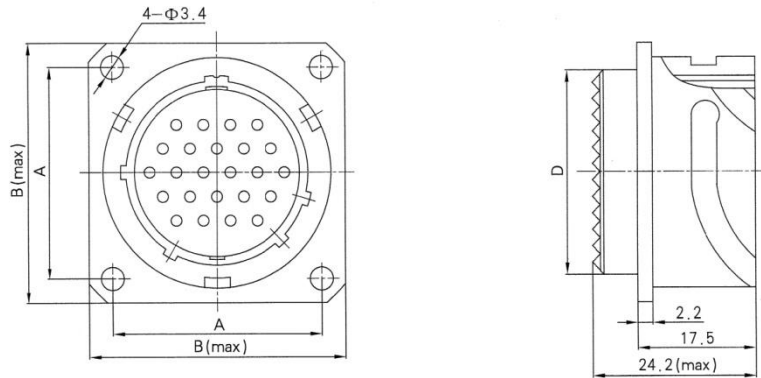


○ $\Phi 1.0\text{mm}$ ● $\Phi 1.5\text{mm}$ ● $\Phi 2.0\text{mm}$

Shell size

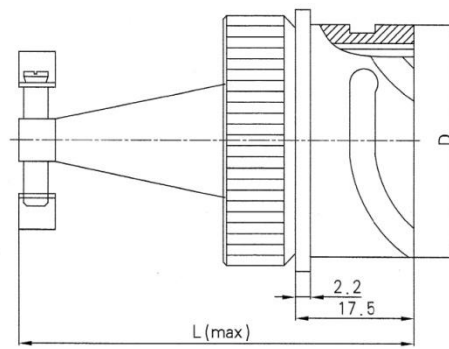
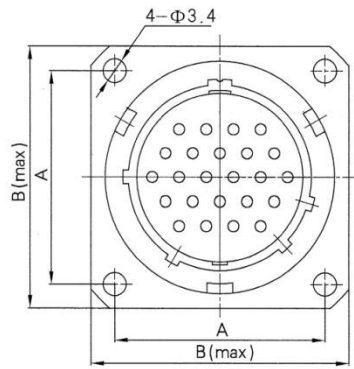
Receptacle

Without back shell



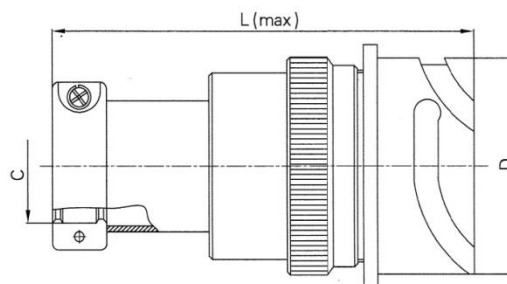
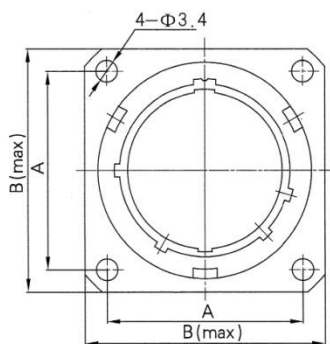
Contact layout	Dimension (mm)			Weight (g)	
	A	B	D	Plug	Receptacle
7-1	20	27	M18×1	19	21
4-2				20	22
10-2	26	33	M24×1	30	34
24-1	29	36	M27×1	35	33
19-2				36	44
32-1	31	38	M30×1	42	52
24-2				44	55
50-7	40	49	M42×1	66	87
50-9	43	52	M45×1	78	107
55-2				79	108

With straight clamp back shell



Contact layout	Dimension (mm)			
	A	B	D	L
7-1	20	27	21	60
4-2	20	27	21	
10-2	26	33	27	
24-1	29	36	30	
19-2	29	36	30	
32-1	31	38	34	65
24-2				
50-7	40	49	46	70
50-9	43	52	49	
55-2	43	52	49	

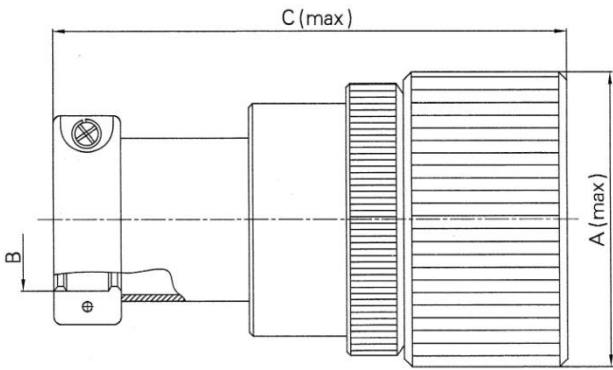
With sleeve back shell



Contact layout	Dimension (mm)				
	A	B	C	D	L
7-1	20	27	58	21	60
4-2	20	27	58	21	60
10-2	26	33	62	27	64

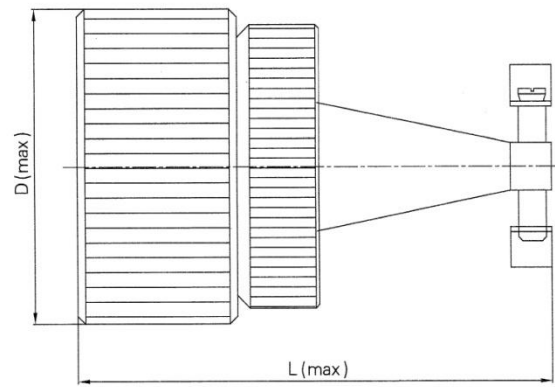
24-1	29	36	67	30	68
19-2	29	36	67	30	68
32-1	31	38	67	34	68
24-2	31	38	67	34	68
50-7	40	49	79	46	81
50-9	43	52	79	49	81
55-2	43	52	79	49	81

Plug
With tube back shell



Contact layout	Dimension (mm)		
	A	B	C
7-1	25	4	58
4-2	26	4	58
10-2	32	6	62
24-1	35	12	67
19-2	35	12	67
32-1	39	12	67
24-2	39	12	67
50-7	51	24	79
50-9	54	24	79
55-2	54	24	79

With straight clamp back shell



Contact layout	Dimension (mm)	
	D	L
7-1	25	60
4-2	26	
10-2	32	
24-1	35	
19-2	35	
32-1	39	65
24-2		
50-7	51	70
50-9	54	
55-2	54	