



**RỒNG VÀNG
TECHNOLOGY**



**Circular Electrical Connector
Bayonet Quick Connection**

PM4 series

substitutes of Russian RBM5

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Description

Connectors of PM4 type (plugs and receptacles) are designed for use in DC and AC circuits (up to 3 MHz) with voltage up to 700 V (amplitude value)

These connectors consist of two parts: Plug (female contacts only) and Hermetic Square flange Receptacle (male contacts only). They are designed for the many of mate-unmate operations

Coupling system – bayonet quick connection

The connectors are manufactured without End Accessories or with End Accessories

Contact: \varnothing 1.0 mm, \varnothing 1.5 mm, \varnothing 2.0 mm

Contact plating – Silver over Copper alloy

These connectors are manufactured for inner mounting for all climates in accordance with the technical conditions GE0.364.196TU



Technical features

Description	Values
Contact Resistance	\varnothing 1.0 mm \leq 5 m Ω \varnothing 1.5 mm \leq 2.5 m Ω \varnothing 2.0 mm \leq 1.6 m Ω
Insulation resistance	\geq 1000 M Ω (Under normal conditions)
Operating temperature	up - 60°C to 150°C
1 bar differential pressure, leakage	\leq 0.3 l/h
Vibration	up to 5000 HZ at 30g
Impact	500 g (once); 40 g (multiple times);
Durability	1000 cycles
Operating hours	1000 hours
Guarantee period	7 years
Technical conditions	GE0.364.196TU

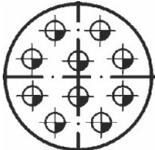
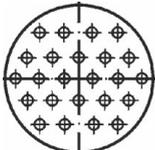
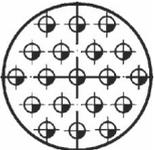
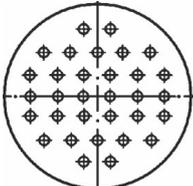
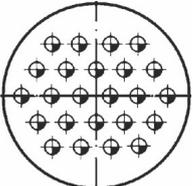
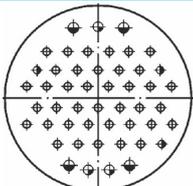
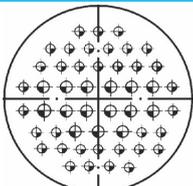
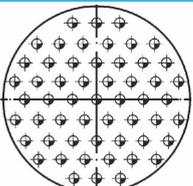
Electrical

Contact numbers/combination number	Working current A	Working voltage V
7-1	5.8	560
4-2	12.5	560
10-2	8.3	560
24-1	4.2	560
19-2	5.8	560
32-1	3.32	560
24-2	6.0	560
50-7	3.6; 5.1	560
50-9	4.5; 7.0	700
55-2	5.1	560

Ordering information

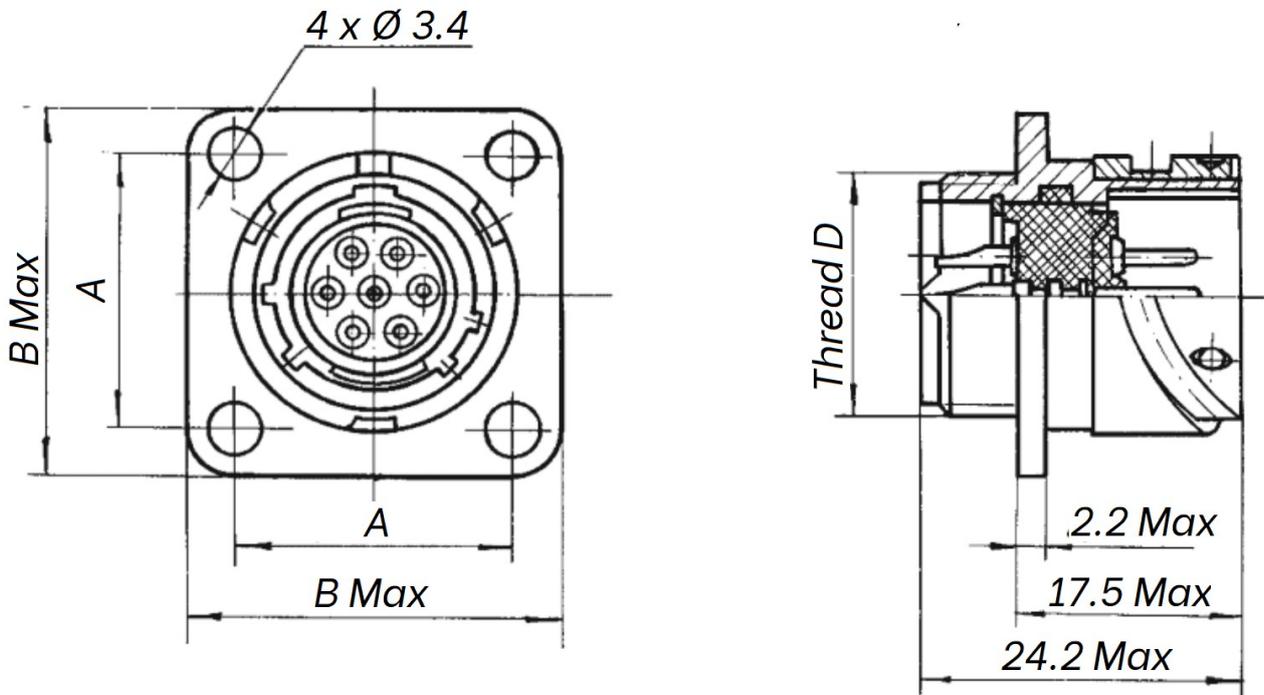
Basic series	PM4	-4	-2	K	6	-B
Number of contacts: 4, 7, 10, 19, 24, 32, 50, 55						
Contact Group: 1, 2, 7, 9						
Contact Type:						
J: Pin for Square flange receptacle only						
K: Socket for Plugs only						
Connector Types & End Accessories:						
1-Receptacle without End Accessories						
2-Receptacle with straight cable clamp						
3-Receptacle with Piggyback Boot Adapter with Shrink Boot						
6-Plug with Piggyback Boot Adapter with Shrink Boot						
7-Plug with straight cable clamp						
All weather (Obligatory suffix)						

Contact layouts

Shell Size	Number of Contacts – Contact Group	
18	7-1	4-2
		
20	10-2	Contact Diameter, mm, Symbol
		Ø 1.0 Ø 1.5 Ø 2.0   
28	24-1	19-2
		
32	32-1	24-2
		
42	50-7	
		
45	50-9	55-2
		

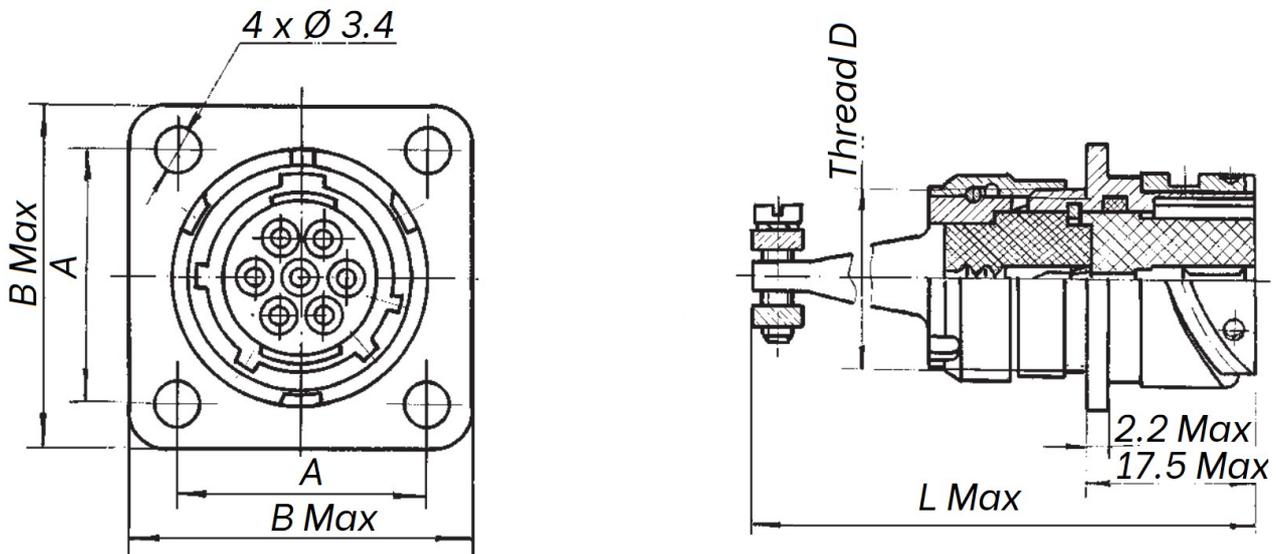
Dimensions

Square flange receptacles without End Accessories



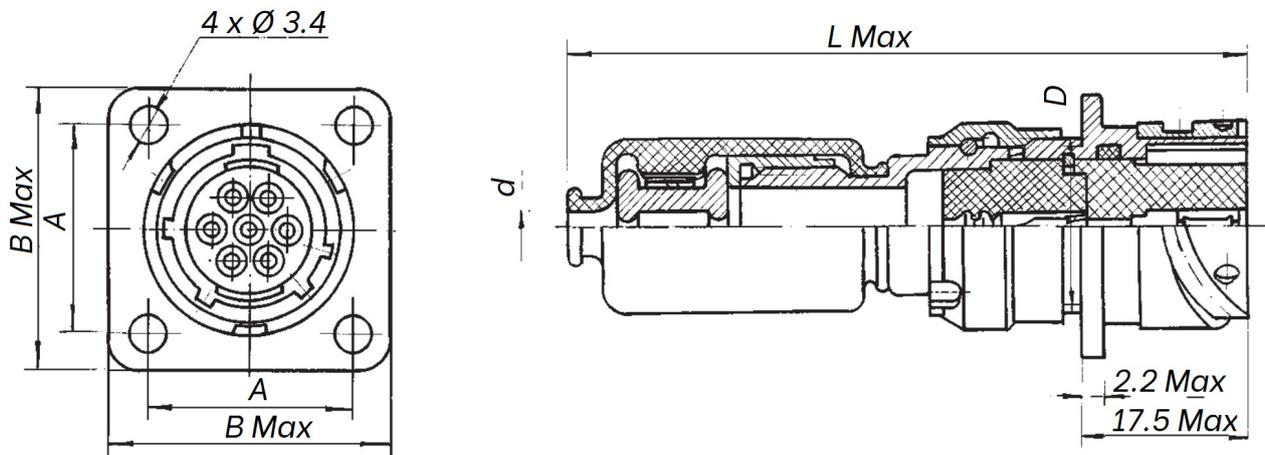
Shell size	Thread D	A	B Max
18	M18x1	20	27
24	M24x1	26	33
27	M27x1	29	36
30	M30x1	31	38
42	M42x1	40	49
45	M45x1	43	52

Square flange receptacles with straight cable clamp



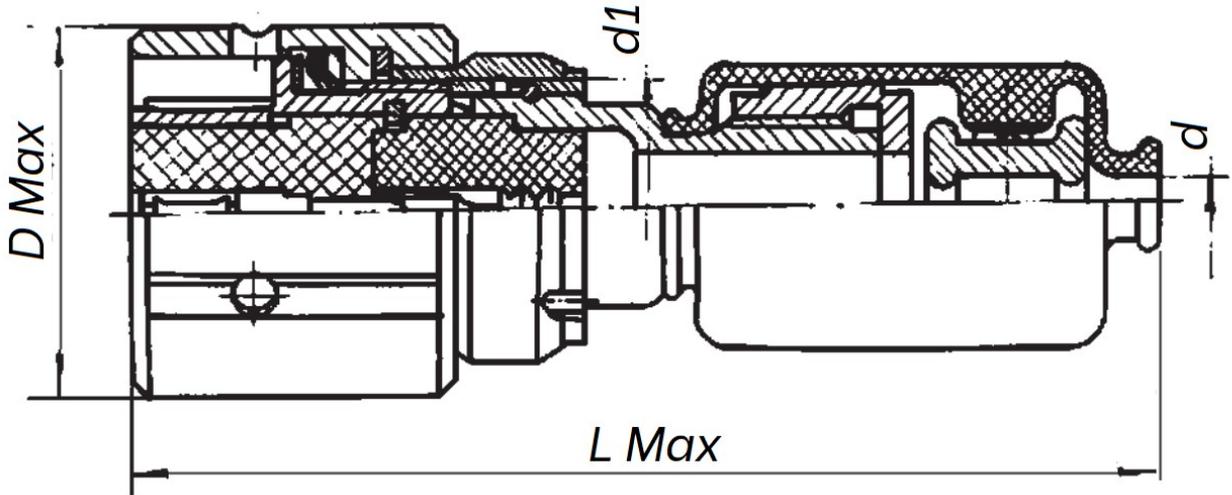
Shell size	Thread D	A	B Max	L Max
18	M18x1	20	27	60
24	M24x1	26	33	60
27	M27x1	29	36	60
30	M30x1	31	38	65
42	M42x1	40	49	70
45	M45x1	43	52	70

Square flange receptacles with Piggyback Boot Adapter with Shrink Boot



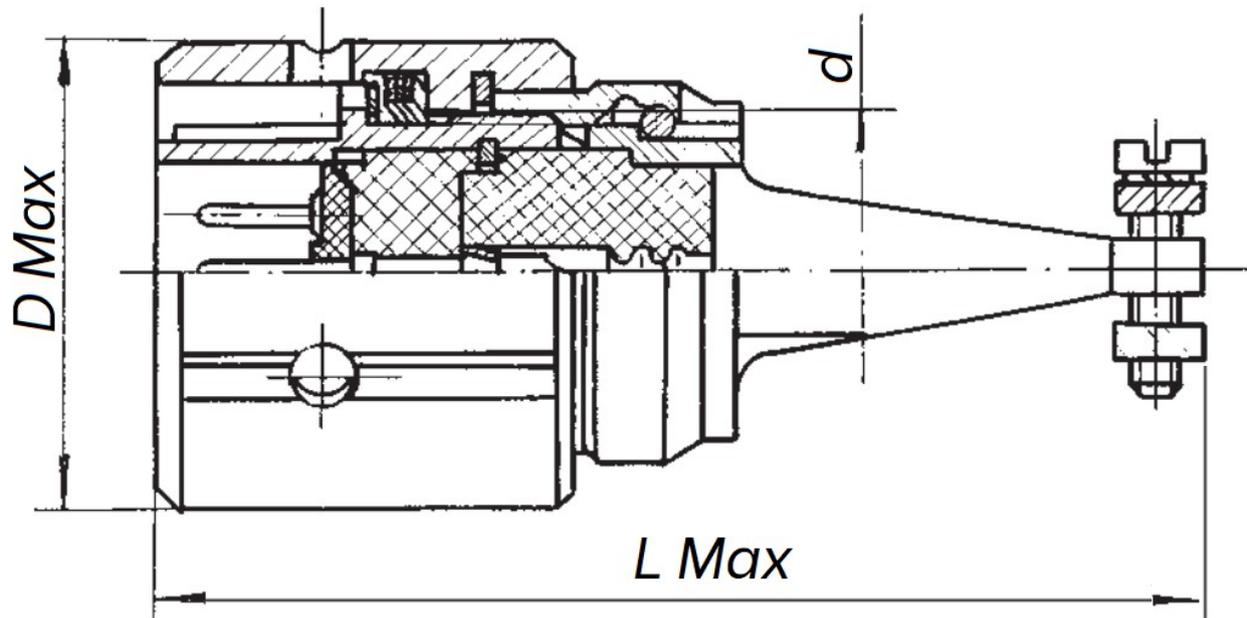
Shell size	Thread D	d	A	B Max	L Max
18	M18x1	3.0	20	27	72
24	M24x1	5.0	26	33	76
27	M27x1	11.5	29	36	77
30	M30x1	11.5	31	38	83
42	M42x1	17.5	40	49	90
45	M45x1	17.5	43	52	90

Plug with Piggyback Boot Adapter with Shrink Boot



Shell size	D Max	d	d ₁	L Max
10	26	3.0	M18x1	72
12	32	5.0	M24x1	76
14	35	11.5	M27x1	77
18	39	11.5	M30x1	83
22	51	17.5	M42x1	90
27	54	17.5	M45x1	90

Plug with straight cable clamp



Shell size	D Max	Thread d	L Max
18	26	M18x1	60
24	32	M24x1	60
27	35	M27x1	60
30	39	M30x1	65
42	51	M42x1	70
45	54	M45x1	70

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