

MP1 Series Miniature Electrical Connectors

MP1 - miniature circular electrical connectors are sealed, current intensity 5A, operating voltage 140V, used in AC circuits.

• Specifications

Ambient temperature: - 60°C ~ +150°C

Vibration acceleration: 1~2500Hz 15g

Impact acceleration: repeatedly 35g

Operating Voltage: 140V

Contact working current: 0.5A

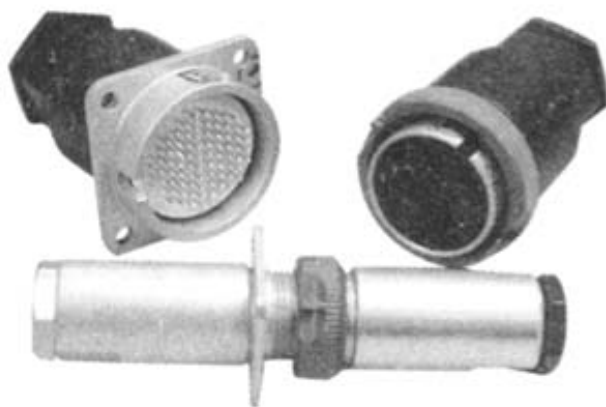
Insulation resistance: $\geq 1000M\Omega$ normal temperature
 $\geq 20M\Omega$ high temperature
 $\geq 1M\Omega$ high humidity

Contact resistance: $\geq 10m\Omega$

Mechanical wear resistance: plug/unplug 250

Validity period: 15 years

Specifications: 3E0 204 061JT



Number of contacts	Total current load (A)	Number of contacts	Total current load (A)
10	5	50	25
19	9.5	76	38
30	15	102	51

Marking description

Serial number	Code meaning	Russian code	Factory Code
1	Model	MP1	MP1
2	Number of contacts	10, 19, 30, 50, 76, 102	10, 19, 30, 50, 76, 102
3	Threaded Receptacle with Pin, contact plating	1-silver 2-gold	1-silver 2-gold
	Cut-in Receptacle with Pin, contact plating	3-silver 4-gold	3-silver 4-gold
	Threaded Plug with Socket, contact plating	5-silver 6-gold	5-silver 6-gold
	Cut-in Receptacle with Socket, contact plating	7-silver 8-gold	7-silver 8-gold
4	With tail attachment		WF
5	Any conditions	B	

Example:

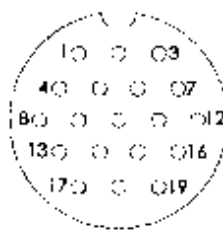
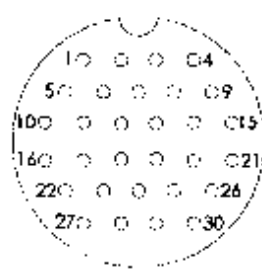
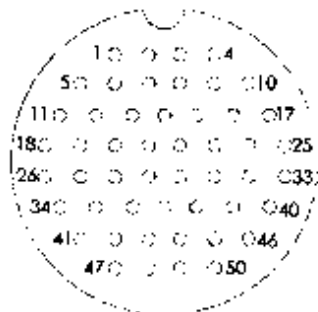
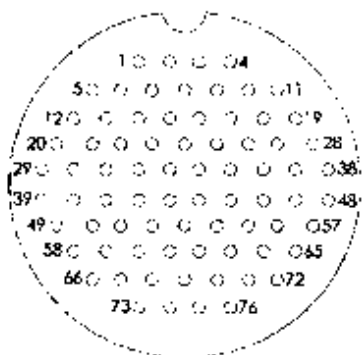
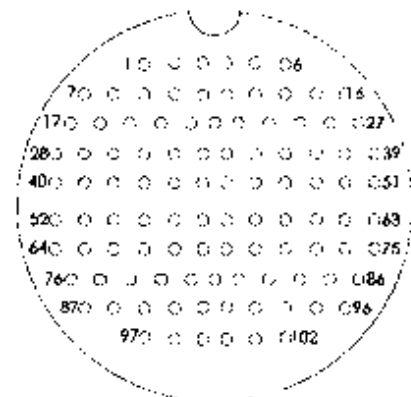
Ru:

Model	MP1	-	10	-	1	-	B
Number of contacts							
Connector type, connection method and contact plating							
Any conditions							

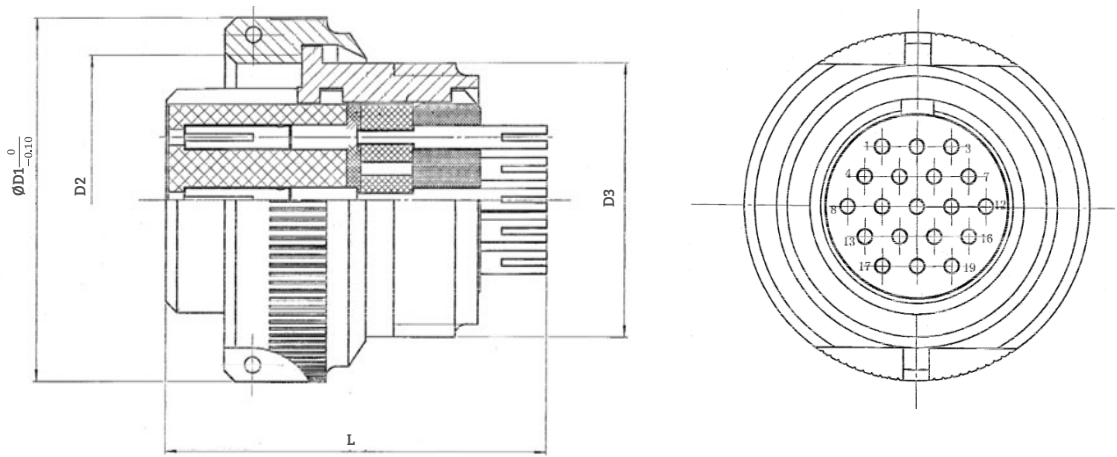
Factory:

Model	MP1	-	10	-	1	-	WF	-	B
Number of contacts									
Connector type, connection method and contact plating									
With tail attachment									
Any conditions									

Insulator contacts arrangement (viewed from the jack contacts)

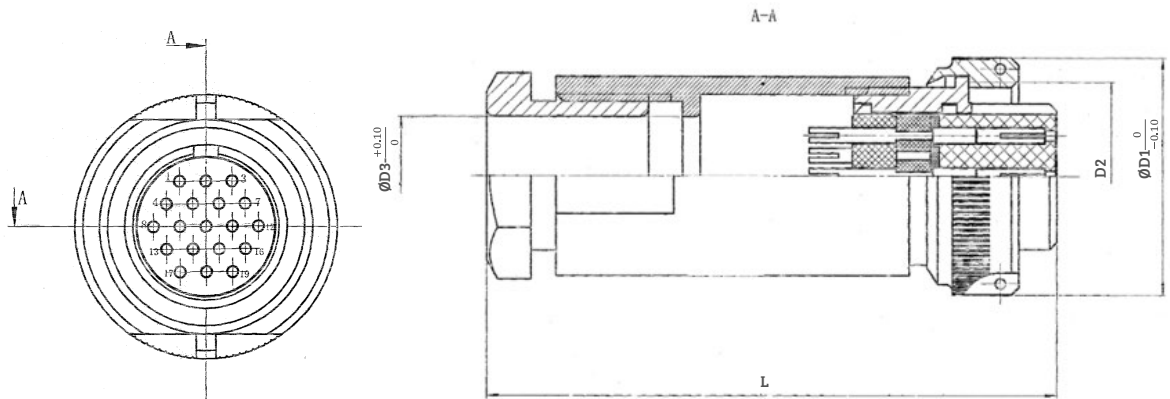
10	19	30	50
			
76	102		
			

• Threaded Plug with Socket, without tail attachment



Serial number	Model	Dimension (mm)			
		D1	D2	D3	L
1	MP1-10-5-B	13.8	M10×0.75	M10×0.75	16.7
	MP1-10-6-B				
2	MP1-19-5-B	16.0	M12×0.75	M12×0.75	16.9
	MP1-19-6-B				
3	MP1-30-5-B	17.7	M14×0.75	M14×0.75	16.7
	MP1-30-6-B				
4	MP1-50-5-B	22.3	M18×1	M18×0.75	16.9
	MP1-50-6-B				
5	MP1-76-5-B	26.3	M22×1	M22×0.75	16.7
	MP1-76-6-B				
6	MP1-102-5-B	31.1	M27×1	M27×0.75	16.9
	MP1-102-6-B				

- Threaded Plug with Socket, with tail attachment



Serial number	Model	Dimension (mm)			
		D1	D2	D3	L
1	MP1-10-5-WF-B	13.8	M10×0.75	6	36
	MP1-10-6-WF-B				
2	MP1-19-5-WF-B	16.0	M12×0.75	8	38
	MP1-19-6-WF-B				
3	MP1-30-5-WF-B	17.7	M14×0.75	9.2	41
	MP1-30-6-WF-B				
4	MP1-50-5-WF-B	22.3	M18×1	11.2	41.5
	MP1-50-6-WF-B				
5	MP1-76-5-WF-B	26.3	M22×1	13.2	42
	MP1-76-6-WF-B				
6	MP1-102-5-WF-B	31.1	M27×1	16.2	50
	MP1-102-6-WF-B				

MP1 Series product model
Threaded connection

	Receptacle with Pin	Plug with Socket
Without tail attachment	MP1-(10, 19, 30, 5, 76, 102)-1-B	MP1-(10, 19, 30, 5, 76, 102)-5-B
	MP1-(10, 19, 30, 5, 76, 102)-2-B	MP1-(10, 19, 30, 5, 76, 102)-6-B
With tail attachment	MP1-(10, 19, 30, 5, 76, 102)-1-WF-B	MP1-(10, 19, 30, 5, 76, 102)-5-WF-B
	MP1-(10, 19, 30, 5, 76, 102)-2-WF-B	MP1-(10, 19, 30, 5, 76, 102)-6-WF-B

Push-in connection

	Receptacle with Pin	Receptacle with Socket
Without tail attachment	MP1-(10, 19, 30, 5, 76, 102)-3-B	MP1-(10, 19, 30, 5, 76, 102)-7-B
	MP1-(10, 19, 30, 5, 76, 102)-4-B	MP1-(10, 19, 30, 5, 76, 102)-8-B
With tail attachment	MP1-(10, 19, 30, 5, 76, 102)-3-WF-B	MP1-(10, 19, 30, 5, 76, 102)-7-WF-B
	MP1-(10, 19, 30, 5, 76, 102)-4-WF-B	MP1-(10, 19, 30, 5, 76, 102)-8-WF-B