

## 14.LYP Series circular connectors



LYP series circular connectors are used extensively in line connections between electrical equipment, various instruments and meters. These connectors have the features of small volume, light weight, convenient application, high durability of plugging and unplugging, good sealing performance, resistance against corrosion, high conductivity and high dielectric strength. It is the ideal product of a new generation to replace the old "Y2" and "P" series connectors. It can interchange with the same type of YP series connectors.

### Product Ordering

LYP 28 Z J M 19U  
 1 2 3 4 5 6

1. TYPE: LYP series circular connectors
2. shell type: 21, 28, 36, 50
3. type: T:plug, Z:receptacle
4. contact type: J:pin, K:socket
5. M:sealed receptacle, (without M:normal receptacle or plug)
6. contacts figure: no.19 of LYP28

### Technical characteristics

Temperature	Relative humidity	Atmosphere	Vibration	Shock	Endurance
-40℃~ +125℃	(92~98)% at40±2℃	101.33KPa~6.67Pa	10~2000Hz, 196m/s <sup>2</sup>	392m/s <sup>2</sup>	500

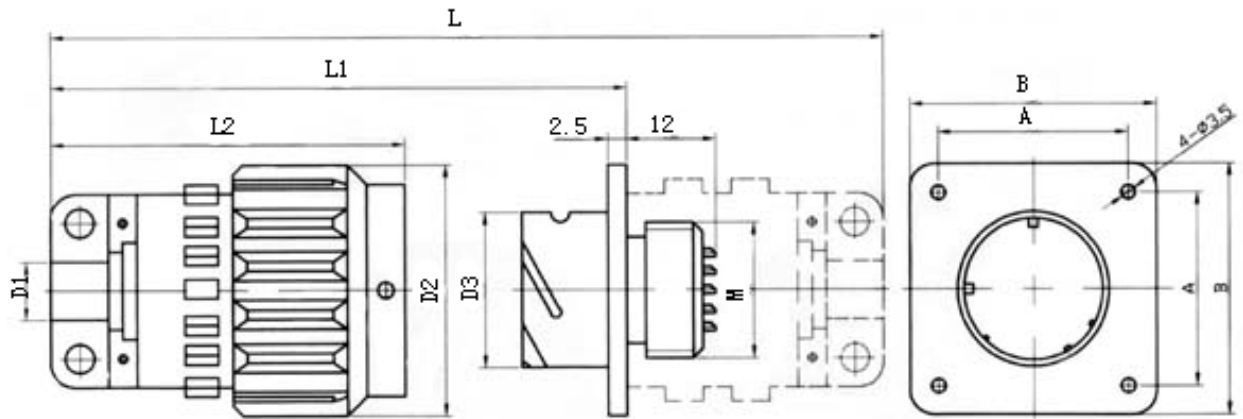
Contact	Current	Voltage	Contact resistance
Ø1mm	5A	500V	≤5mΩ
Ø1.5mm	10A		≤3mΩ

Ø2.5mm	25A		≤1m Ω
Ø3.5mm	50A		≤1m Ω
Ø5.5mm	100A		≤0.5m Ω

Environment	Voltage proof	Insulation resistance
Normal	2-20 pins 1500V, else 1000V	≥1000M Ω
Moisture	1000V	≥20M Ω

Anodizing with black or green coating, or nickel plating.

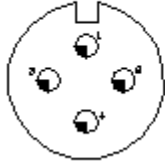
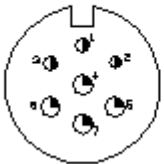
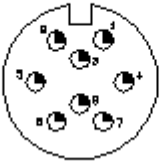
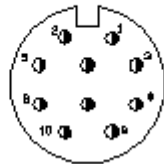
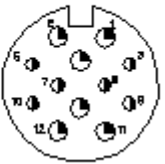

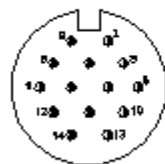
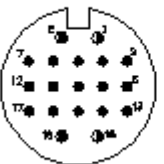
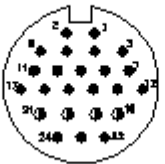
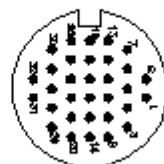
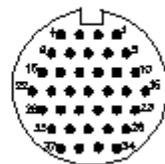
### Dimensions

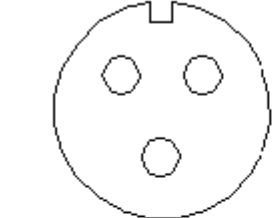
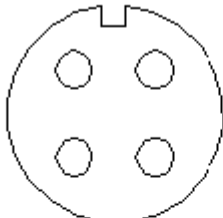
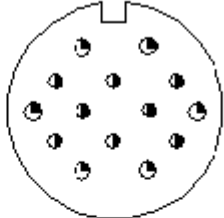
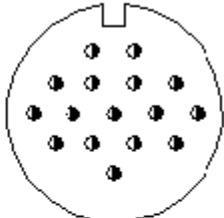
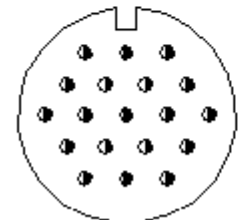
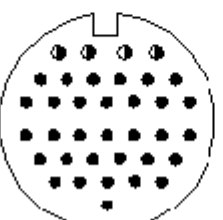
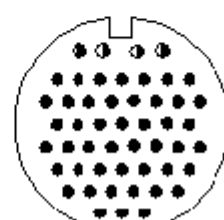
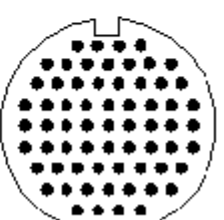


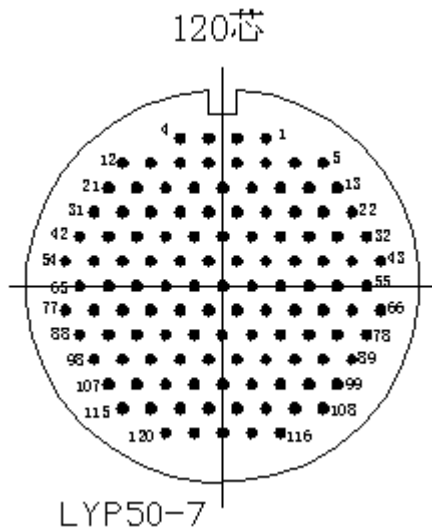
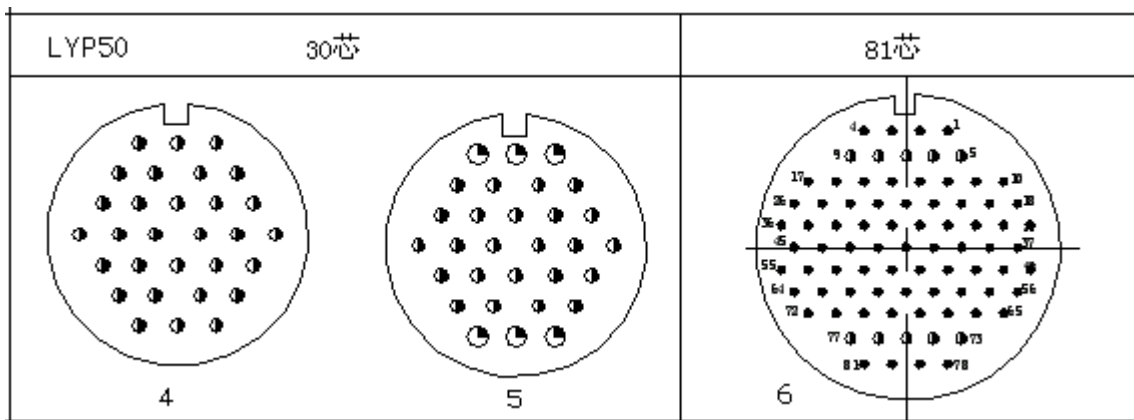
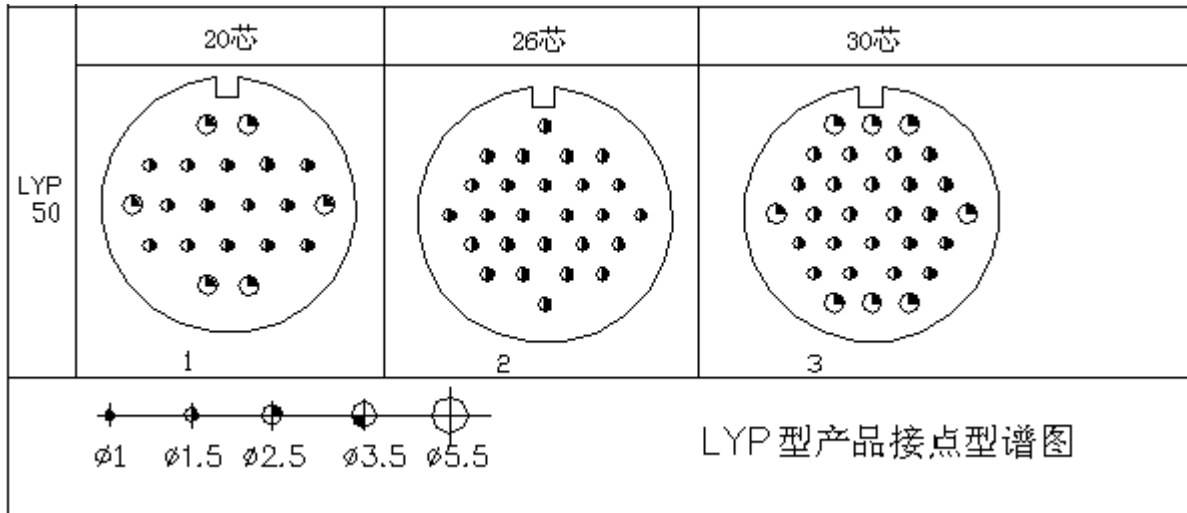
Type	Dimension			Outlook dimension					
	A	D1	M (left)	B	D2	D3	L	L1	L2
LYP21	22-24	Ø12	M21×0.75	31	Ø31	Ø22.7	82	53	47
LYP28	28-32	Ø18	M28×1	42	Ø38	Ø28.7	92	58	51
LYP36	36-40	Ø26	M36×1	50	Ø46	Ø36.7	112	69	62
LYP50	48-52	Ø40	M50×1	63	Ø60	Ø51.2	130	79	73

LYP contacts figure

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LYP 21	2芯	3芯	4芯		5芯		7芯
	2	3	6	8	9	10	11
	10芯	14芯					
	12	13					

LYP 28	4芯	7芯	8芯	10芯	12芯	
						
	7	14	15	19	21	22
	14芯	19芯	24芯	32芯	37芯	
						
	23	24	25	26	27	

LYP 36	3芯	4芯	14芯	16芯
				
	1	2	5	11
	19芯	36芯	50芯	65芯
				
	12	13	14	15



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