Y2M Series circular connectors

Products introduction

Y2M series circular connectors are useed 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's the ideal product of a new generation to replace the old "P" series connectors.

Product Ordering

<u>Y 2 M</u> - <u>10</u> <u>Z</u> <u>J</u> <u>L</u> <u>M</u>

   1   2   3   4   5   6   7

1. Name of series : Y2 series circular connectors

2. M—Industry application,Without M—Military product

3. Number of contacts:2,3,4,5,7,10,14,19,24,32,36,37,50,65,81,120

4.T—Plug,Z—Receptacle

5.Type of contacts: J—Pin,K—Socket

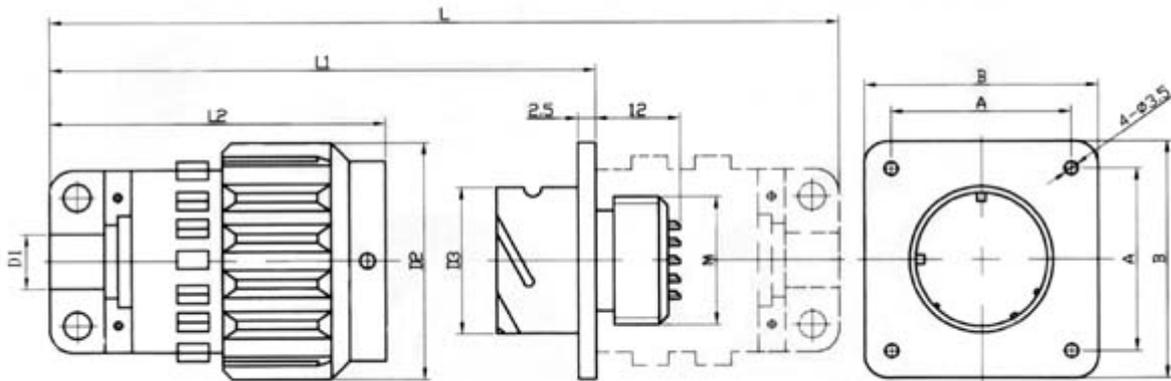6.Termination: L— With Cable shell,B—Square Flange

7.M——Receptacle sealing

Technical characteristics

Temperature	Relative humidity	Atmosphere	Vibration	Shock	Endurance
-40°C~ +85°C	(92~98)% at40$\pm$2°C	100KPa~100Pa	10~2300Hz,180m/s²	350m/s²	500 cycles

Contact Ø	Current	Voltage	Contact resistance
Ø1mm	5A	250V	≤5mΩ
Ø1.5mm	10A	250V	≤3mΩ
Ø2.5mm(only3,4,5)	25A	250V	≤1mΩ

Environment	Voltage proof	Insulation resistance
Normal	1000V	≥1000MΩ
High temperature	900V	≥1000MΩ
Moisture	500V	≥100MΩ

Dimensions

Type	Mating size			Dimension size					
	A	D1	M左	B	D2	D3	L	L1	L2
Y2M-3,4,5,7	22-24	Ø12	M21×0.75	31	Ø31	Ø22.7	79	51	45
Y2M-10,14	22-24	Ø12	M21×0.75	31	Ø31	Ø22.7	79	51	45
Y2M-10A	28	Ø18	M28×1	38	Ø38	Ø28.7	88	56	49
Y2M-19,24	28	Ø18	M28×1	38	Ø38	Ø28.7	88	56	49
Y2M-32,37	28	Ø18	M28×1	38	Ø38	Ø28.7	88	56	49
Y2M-36,50,65	36	Ø26	M36×1	46	Ø46	Ø36.7	108	67	60
Y2M-81,120	51	Ø40	M50×1	60	Ø60	Ø51.2	126	77	71