

Y4 series circular electrical connector



Conform to Chinese military connector standard Q/Ag1.004-2000. Y4 series is designed as thread coupling, hermetic receptacle.

Part number

	Y4	P	3	Z	J	B	M
Basic series							
Material and finish							
P = Aluminium-alloy with nickel plating							
P1 = Aluminium-alloy with electroless nickel plating							
S = Copper-alloy with electroless nickel plating							
Contact number							
2, 3, 4, 5, 7							
Type of connector							
T = Plug							
Z = Receptacle							
Type of contact							
J = Pin							
K = Socket							
Type of back shell							
L = Cable connecting							
B = Square flange							
Sealing of receptacle							
M = Hermetic							
Omit = Unsealed							

Performance specification

Operating temperature range: -55 °C ~ +85 °C

Shock: Max acceleration 980 m/s²

Relative humidity: 90 ~ 95% at 40 ± °C

Endurance: ≥ 500 cycles

Contact resistance and current rating:

Diameter (mm)	Φ 0.8
Current (A)	3
Resistance (mΩ)	≤ 8

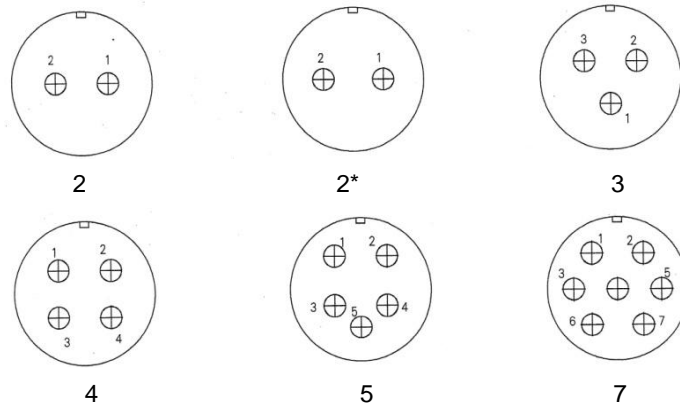
Insulation resistance:

Sea level	High humidity	High temperature
≥ 1000MΩ	≥ 50MΩ	≥ 500MΩ

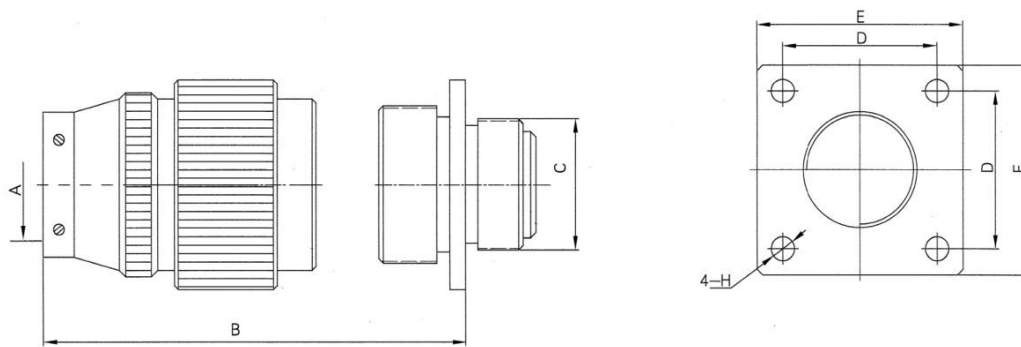
Withstanding voltage:

Y4 series	Voltage (V)
Sea level	750
21000m	200
High humidity	100
High temperature	750
2 I type	2000

Contact layout



Shell size



Number of contact	Φ A	B	Thread C	D	E	H
2	6	26.5	M10×0.75	12.0	16	1.8
2 I	6	26.5	M10×0.75	11.0	16	2.3
3	6	26.5	M10×0.75	12.0	16	1.8
4	6	26.5	M10×0.75	12.0	16	1.8
5	8	27.5	M12×1.00	13.2	18	2.2
7	8	27.5	M12×1.00	13.2	18	2.2