

Y18 series circular electrical connector



Conform to Chinese military connector standard Q/Ag1.028-2004, Y18 series is designed as thread coupling, high contact density, small size, light weight.

Part number

	Y18	X	6	Z	J	12	1
Basic series							
Type							
X = Hermetic by reperfusion of sealant (May omit)							
H = Sintered glass							
Number of contact							
06, 12							
Type of connector							
T = Plug							
Z = Receptacle							
Type of contact							
J = Pin							
K = Socket							
Type of mounting							
1 = Long cable shell of plug							
Omit = Short cable shell of plug							
11 = Circular flange receptacle							
12 = Diamond flange receptacle							
Type of receptacle							
1 = With cable shell							
Omit = Without cable shell							

Performance specification

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

Shock: Max acceleration 1000 m/s²

Relative humidity: 92 ~ 98% at 40 ± °C

Endurance: ≥ 300 cycles

Contact resistance and current rating:

Diameter (mm)	Φ 1.5
Current (A)	0.5
Resistance (mΩ)	≤ 15

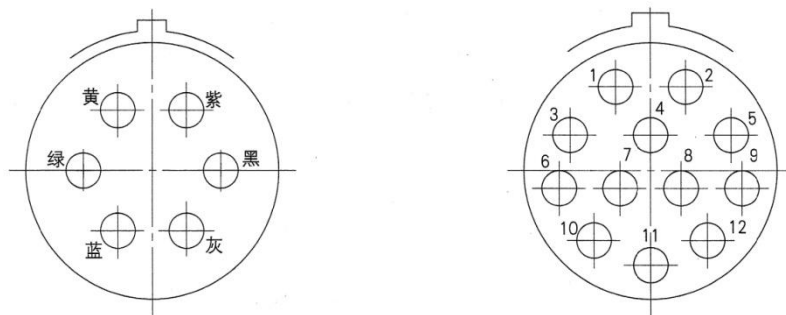
Insulation resistance:

Sea level	High humidity	High temperature
≥ 100MΩ	≥ 5MΩ	≥ 50MΩ

Withstanding voltage:

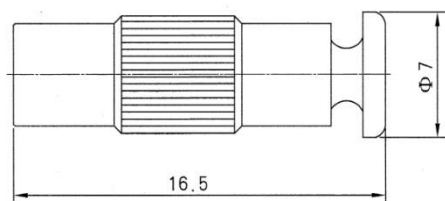
Sea level	21000 m
200 V	50 V

Contact layout

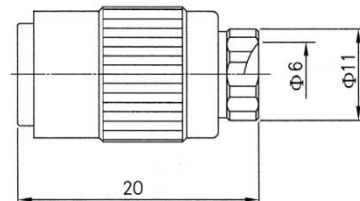


Shell size

Plug

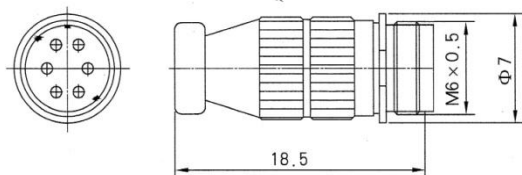


Contact number: 6

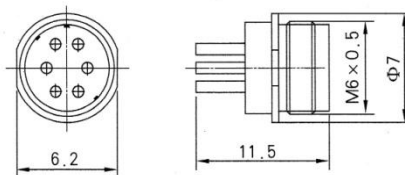


Contact number: 12

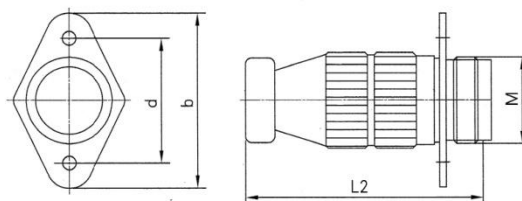
Receptacle



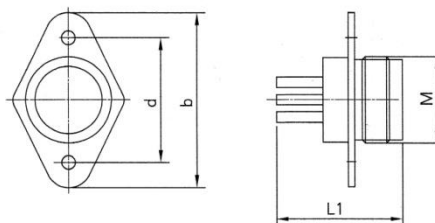
Y18-6ZJ11-1



Y18-6ZJ11



Y18-xxZJ12-1



Y18-xxZJ12

Number for contact	d	b	Thread M	L1	L2
06	10.5 ± 0.1	14	M6x0.50	11.5	18.6
12	16.0 ± 0.1	20	M10x0.75	13.0	20.0