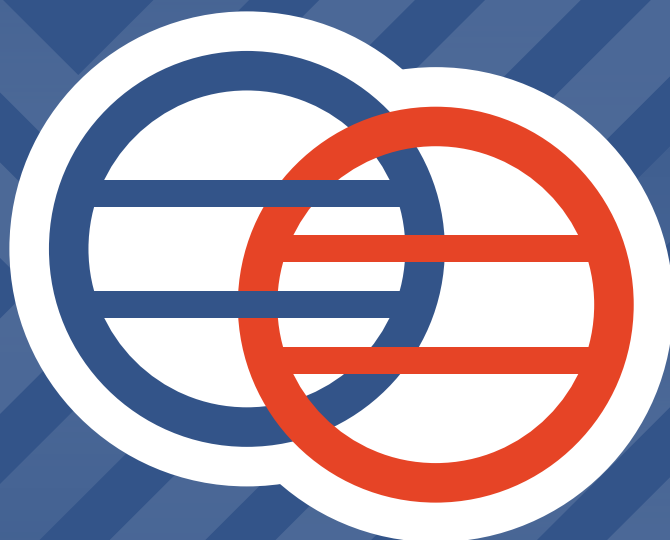




MATENG

Y23 SERIES

CATALOG

Y23 SERIES

CIRCULAR ELECTRICAL CONNECTOR



Conform to Chinese military connector standard GJB599A and America military connector standard MIL-DTL-38999 series IV. It can be well mated with corresponding part of MIL-DTL-38999 IV from other manufacturer.

PART NUMBER

Basic series	Y23	P	II	13	-10	Z	J	10
Type	P = Solder and shielding E = Crimp and shielding							
Orientation	I, II, III Omit = I							
Shell No.	13, 25, 29							
Number of contact	10, 61, 84, 90							
Type of connector	T = Plug Z = Receptacle							
Type of contact	J = Pin K = Socket							
Type of receptacle	10 = Square flange receptacle 11 = Circular flange receptacle 14 = Jam nut receptacle							

PERFORMANCE SPECIFICATION

- Operating temperature range: -65 °C ~ +125 °C
- Shock: Max acceleration 294 m/s²
- Relative humidity: 92 ~ 98% at 40 ± °C
- Endurance: ≥ 500 cycles
- Contact resistance and current rating:

Diameter (mm)	Φ1.0	Φ1.5	Φ3.5
Current (A)	5	10	35
Resistance (mΩ)	≤5	≤3	≤2

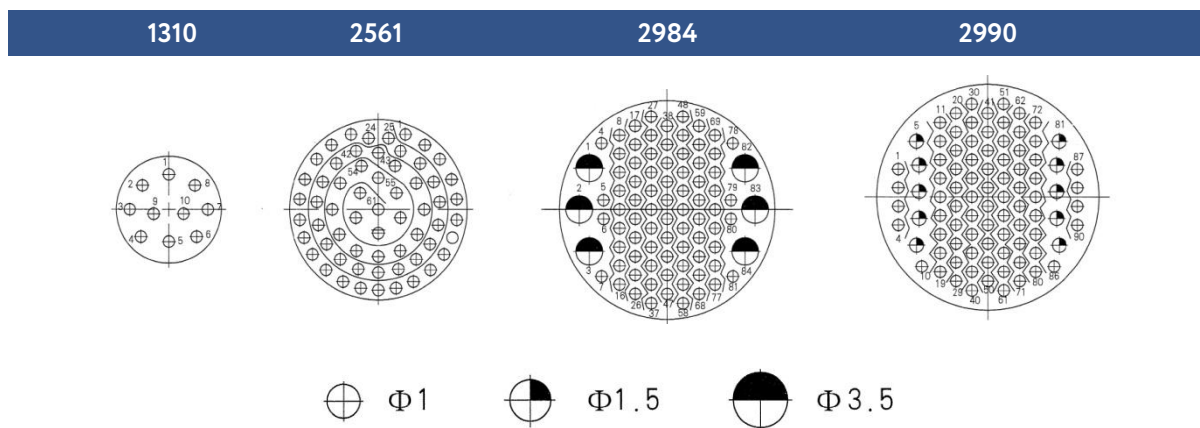
Insulation resistance:

Sea level	High humidity	High temperature	Under rain
$\geq 3000\text{M}\Omega$	$\geq 20\text{M}\Omega$	$\geq 500\text{M}\Omega$	$\geq 20\text{M}\Omega$

Withstanding voltage:

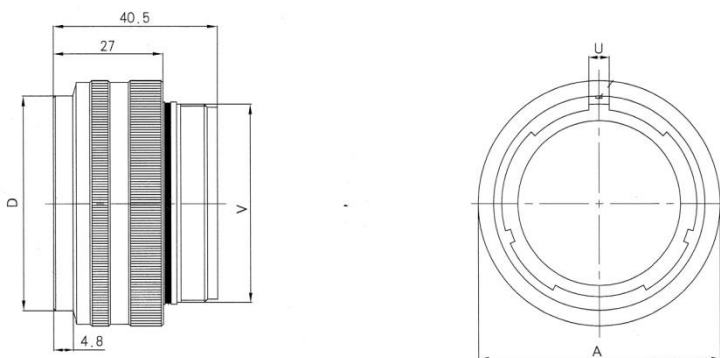
Sea level	21000m	Humidity and heat
1500 V	250 V	500 V

CONTACT LAYOUT



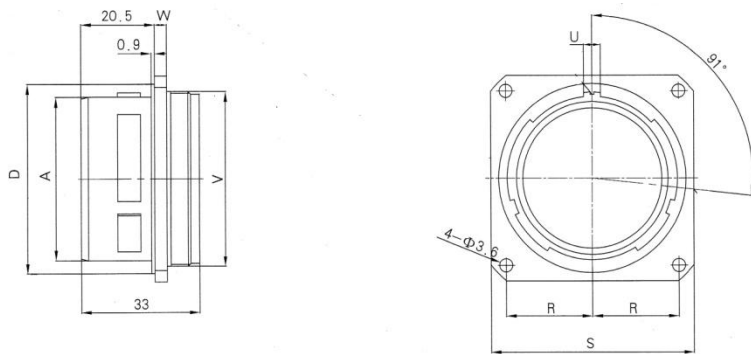
SHELL SIZE

Plug



Shell No.	ΦA	ΦD	Thread V	U
13	31.1	23	M18×1	2.0 ~ 3.0
25	49.5	42	M37×1	3.5 ~ 4.5
29	59.5	52	M48×1	3.8 ~ 5.0

Receptacle



Shell No.	Φ D	Φ A	R	S	U	V	W
13	23.3	16	11.5	29.0	1.7 ~ 2.7	M18×1	2.6
25	42.3	35	19.0	46.6	3.2 ~ 4.2	M37×1	3.0
29	52.0	45	24.0	56.5	3.6 ~ 4.7	M38×1	3.4



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