



## YQ2 series circular electrical connector



Conform to Chinese military connector standard GJB598A, YQ2 series is designed as bayonet coupling.



## Performance specification

Operating temperature range:  $-55\text{ }^{\circ}\text{C} \sim +125\text{ }^{\circ}\text{C}$

Operating atmospheric pressure:  $1.33\text{ kPa} \sim 101.33\text{ kPa}$

Vibration:  $10\text{ Hz} \sim 2000\text{ Hz}$ , acceleration  $196\text{ m/s}^2$

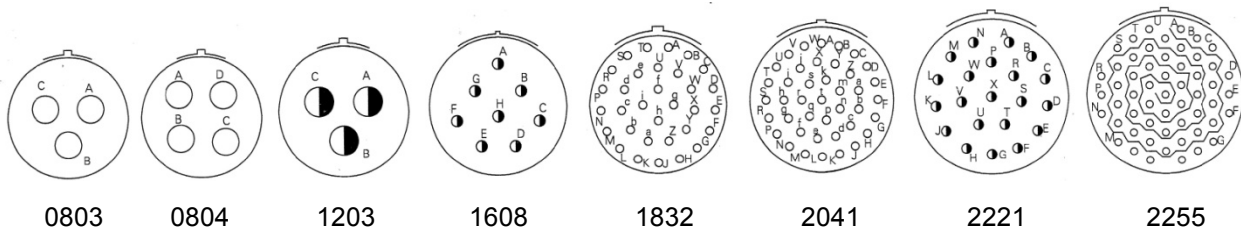
Relative humidity:  $40 \pm 2\text{ }^{\circ}\text{C}$ ,  $90\% \sim 95\%$

Durability:  $\geq 1000\text{ cycles}$

## Contact

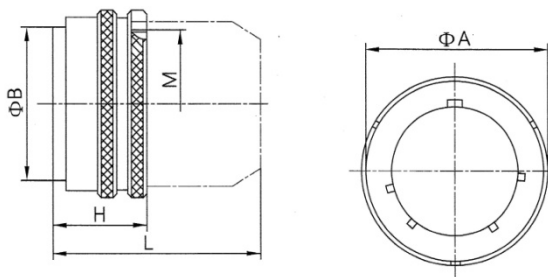
Contact diameter ( $\Phi$ mm)		1.0	1.6
Current (A)		5	10
Contact resistance (m $\Omega$ )	Copper alloy	$\leq 5$	$\leq 3$
	Iron-alloy	$\leq 15$	$\leq 10$

## Contact layout



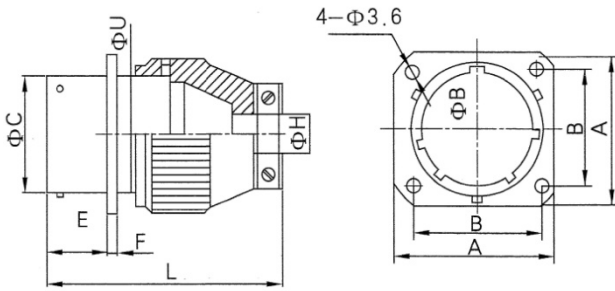
## Shell size

### Plug



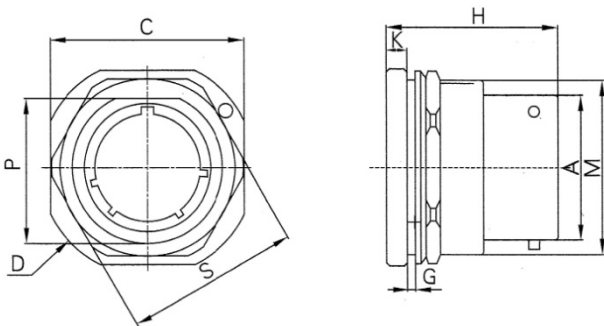
Shell No.	$\Phi$ A	$\Phi$ B	M	H	L
08	16.8	9.0	1/2-28	17.6	35.0
12	25.6	15.1	11/16-24	21.0	52.5
16	31.7	21.5	15/16-20	21.0	175.0
18	34.4	24.0	11/16-18	18.0	27.2
20	37.7	27.1	13/16-18	19.5	31.6

## Square flange receptacle



Shell No.	Φ C	Φ H	Φ U	L	L1	F	E	A	B
08	12.0	4-7	12.80	36.5	21.5	1.5	10.95	20.60	15.09
10	15.0	4-7	16.01	36.5	21.0	1.5	10.95	23.80	18.30
12	19.1	5-10	19.10	38.5	21.5	2.0	10.95	26.20	20.62
14	22.2	6-14	12.30	43.0	21.5	2.0	10.95	30.00	23.00
16	25.4	6-16	25.54	43.0	21.5	2.0	10.95	31.00	24.60
18	28.6	6-17.5	28.60	44.5	21.5	2.0	10.95	33.30	27.00
20	31.8	6-20	31.50	49.0	26.5	2.6	12.50	36.50	29.36
22	34.9	6-24	35.00	49.0	26.5	2.6	12.50	40.00	32.00
24	38.1	6-27	38.00	53.0	26.5	2.6	12.50	42.90	34.93

## Jam nut receptacle



Shell No.	G		K	H	A	S	P	C	D	M
	Min	Max								
08	1.6	3.2	3.2	21.0	12.00	19.10	13.20	23.80	27.25	9/16-20
10	1.6	3.2	2.5	21.0	15.00	22.20	16.50	27.00	30.40	11/16-24
12	1.6	3.2	3.2	21.0	19.10	27.00	21.20	31.80	35.20	7/8-20
14	1.6	3.2	3.2	21.0	22.20	32.00	24.20	34.90	38.40	1-20
16	1.6	3.2	3.2	21.0	25.40	33.30	27.35	38.10	41.50	1 <sup>1</sup> / <sub>9</sub> -20
18	1.6	3.2	3.2	21.0	28.60	36.50	30.35	41.30	44.70	1 <sup>1</sup> / <sub>4</sub> -18
20	1.6	6.4	4.0	26.5	31.78	39.70	33.70	46.00	49.40	1 <sup>3</sup> / <sub>8</sub> -18
22	1.6	6.4	4.0	26.5	34.95	44.00	36.60	49.20	52.60	1 <sup>1</sup> / <sub>2</sub> -18
24	1.6	6.4	4.0	26.5	38.10	46.00	40.05	52.50	55.80	1 <sup>5</sup> / <sub>8</sub> -18