

CXCH-01 series circular electrical connector



Conform to Chinese military connector standard GJB2889, CXCH-01 series is extended from XC series, designed as bayonet coupling, solder or crimp springtac contact. The difference from XC series is thicker shell and stronger anti-vibration.

Part number

	CXCH-01/	14	F	4	Z	P ₁	W
Basic series							
Shell size							
	14, 18, 22, 24, 27, 30, 33, 36, 39, 42						
Type of plug and receptacle							
	T = Plug						
	F = Square flange receptacle						
Number of contact							
	01 ~ 62						
Type of contact							
	Z = Pin with silver plating						
	Z ₁ = Pin with gold plating						
	K = Socket with silver plating						
	K ₁ = Socket with gold plating						
Finish							
	P ₁ = Electroless nickel plating						
	P ₃ = Olive-drab zinc plating passivated						
Orientation							
	N, W, X, Y, Z						
	Omit = N						

Performance specification

Operating temperature: -55 °C ~ +200 °C

Relative humidity: at 40 ± 2 °C, 90% ~ 95%

Working height: ≤ 3000 m

Vibration: at 10 ~ 2000 Hz, acceleration: 196 m/s²

Endurance: ≥ 1000 cycles

Electrical performance

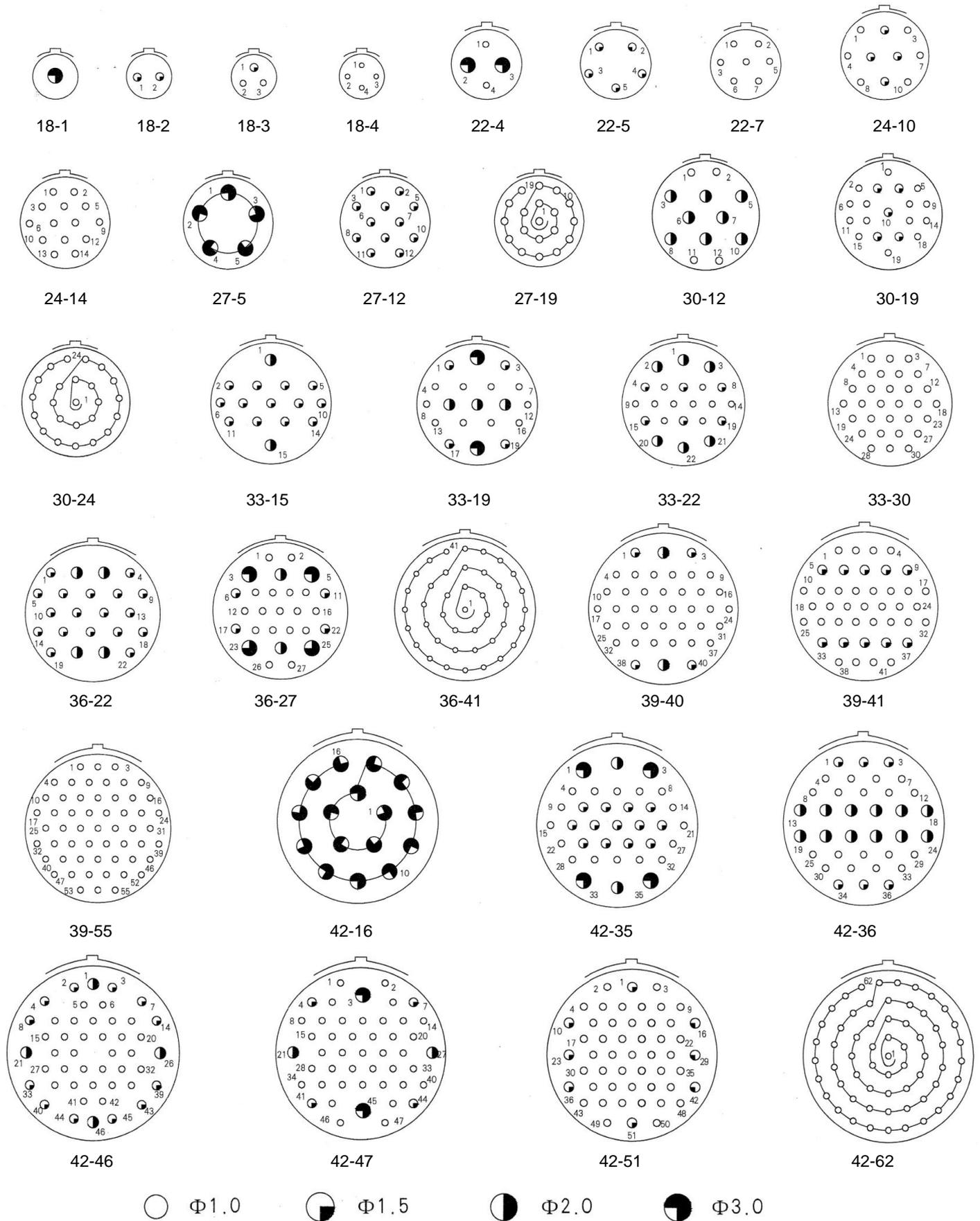
Contact resistance and rated current

Specification	Resistance (MΩ)	Rated current (A)	Inside diameter (mm)
Φ 1.0	≤ 5.0	5	Φ 1.5
Φ 1.5	≤ 2.5	10	Φ 2.0
Φ 2.0	≤ 1.25	20	Φ 2.5
Φ 3.0	≤ 0.75	40	Φ 3.0

Rated voltage, withstanding voltage and insulation resistance

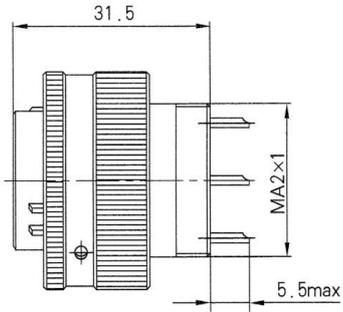
Operating environment	Rated voltage (v)	Withstanding voltage (v)	Insulation resistance (MΩ)
Normal	500	≥ 1500	≥ 5000
Hot and humid	500	≥ 1125	≥ 100

Contact layout



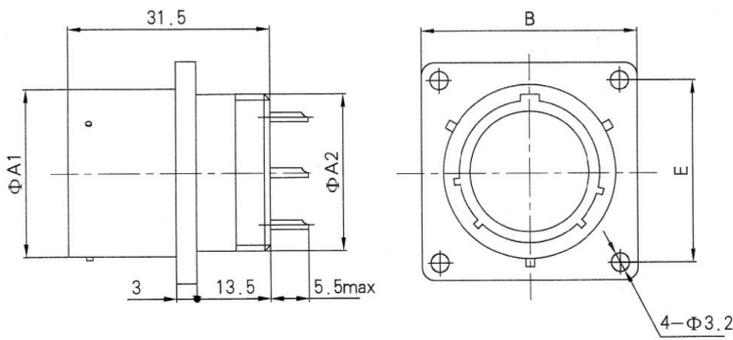
Shell size

Plug



Shell size	A1	A2
18	28	18
22	32	22
24	34	24
27	37	27
30	40	30
33	43	33
36	46	36
39	49	39
42	52	42

Square flange receptacle



Shell size	A1	A2	B	E
18	19.7	18	27.5	21.5
22	23.7	22	30.0	24.0
24	25.7	24	32.0	26.0
27	28.7	27	34.5	28.0
30	31.7	30	36.5	30.0
33	34.7	33	39.5	32.5
36	37.7	36	41.0	34.0
39	40.7	39	43.0	36.0
42	43.7	42	46.0	39.0

