

XCM series circular electrical connector



Conform to Chinese military connector standard GJB2889, XCM series is extended from XC series, designed as bayonet coupling, solder contact and springtac socket.

Part number

	XCM	14	Z	4	J	L	W
Basic series							
Shell size							
14, 18, 22, 24, 27, 30, 33, 36, 39							
Type of plug and receptacle							
T = Plug							
Z = Receptacle							
Number of contact							
01 ~ 62							
Type of contact							
J = Pin							
K = Socket							
Type of receptacle							
F = Square flange receptacle							
L = Jam nut receptacle							
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

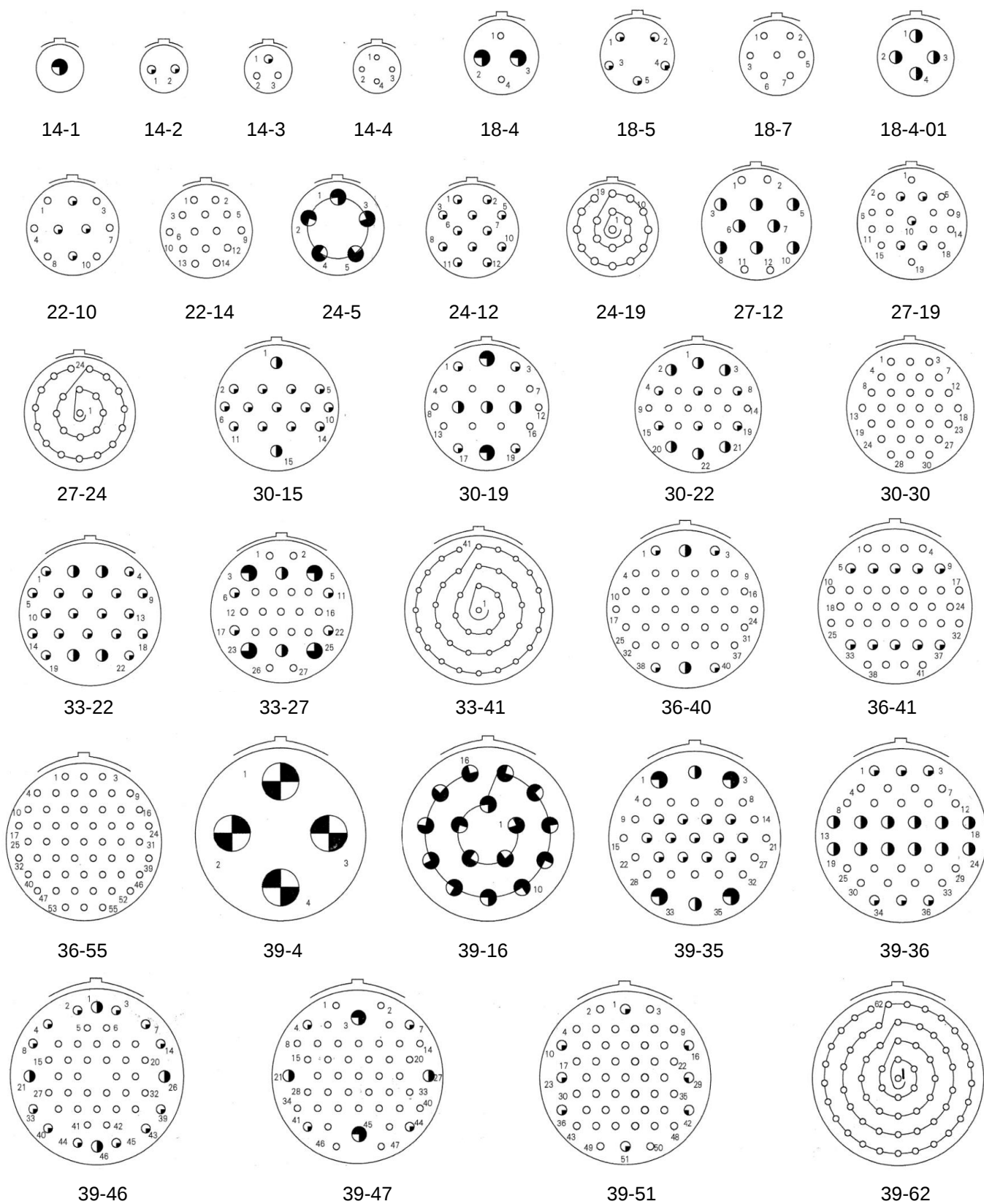
Contact resistance and rated current:

Size (mm)	Resistance (mΩ)	Rated current (A)
Φ 1.0	≤ 5.00	5
Φ 1.5	≤ 2.50	10
Φ 2.0	≤ 1.25	20
Φ 3.0	≤ 0.75	40
Φ 4.5	≤ 0.35	65

Rated voltage, Withstanding voltage and Insulation resistance:

Operating environment	Rated voltage (v)	Withstanding voltage (v)	Insulation resistance (MΩ)
Normal	500	≥ 1500	≥ 1000
Hot and humid	500	≥ 1125	≥ 20
Low pressure (1 KPa)	150	≥ 300	---

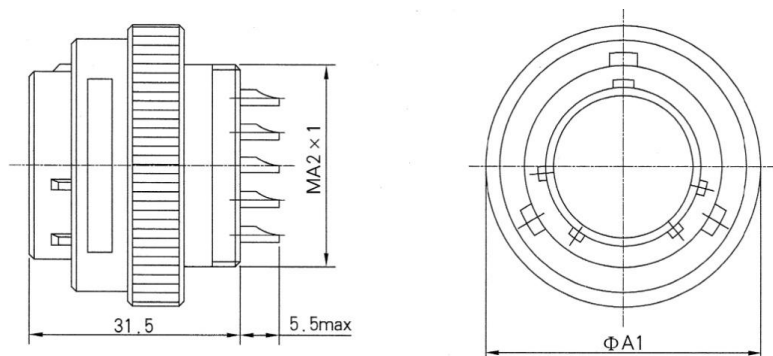
Contact layout



$\Phi 1.0$
 $\Phi 1.5$
 $\Phi 2.0$
 $\Phi 3.0$
 $\Phi 4.5$

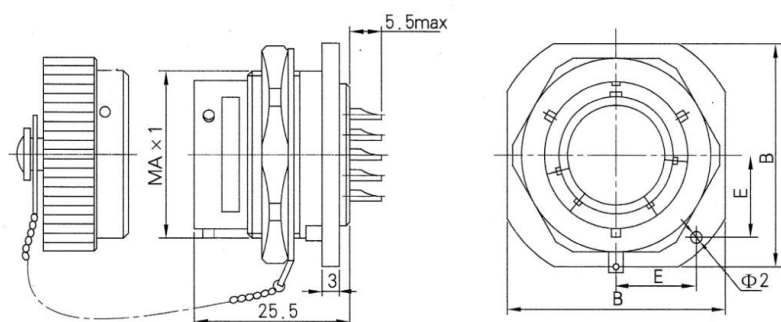
Shell size

Plug



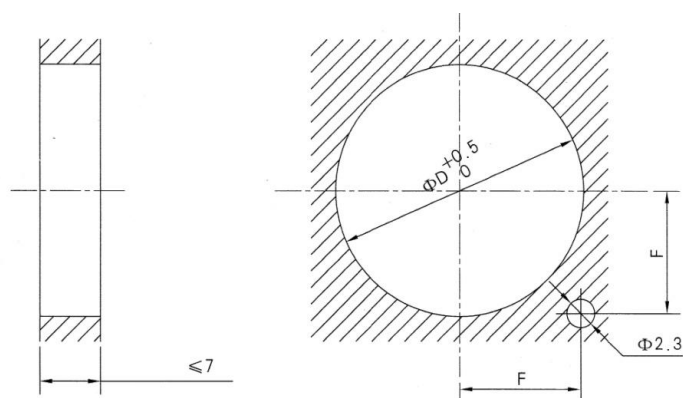
Shell size	A1	A2
14	24	14
18	28	18
22	32	22
24	34	24
27	37	27
30	40	30
33	43	33
36	46	36
39	49	39

Jam nut receptacle



Shell size	A	B	E
14	20	27	10
18	24	34	12
22	27	36	13
24	30	36	14
27	30	36	15
30	33	38	16
33	39	49	18
36	42	54	19
39	45	56	20

Suggestion size



Shell size	D	F
14	20.5	10
18	24.5	12
22	27.5	13
24	30.5	14
27	30.5	15
30	33.5	16
33	39.5	18
36	42.5	19
39	45.5	20

