

XC series connectors



Products introduction

XC series connectors is manufactured conform to the State's military standard GJB2889(MIL-DTL-38999).They have latest design and high reliability.It use wire spring for socket,and crimp or solder termination for the wires of pins and sockets.The plug and receptacle may be mounted with pins or sockets on request .These connectors are widely used for space,aviations,computers,telecommunications,navigation and electronic equipment.

Product Ordering

XC 27 T 24 K D
 1 2 3 4 5 6

1. Name of series: XC series rain-proof circular connectors
- 2.Shell type: 14,18,22,24,27,30,33,36,39
3. T-Plug,F-Flange receptacle
- 4.Number of contacts:1-62
5. Z-Pin,K-Socket
6. D-Without thread and accessorices, electric-plated,
 D- Without thread and accessorices,Nickel-plated,
 HP-With straight shieded screw,electric-plated,
 HP1-With straight shieded screw,Nickel-plated,

Technical characteristics

Temperature	Relative humidity	Elevation	Vibration	Shock	Endurance
-55° C~+200° C	95% at40° C	3000m	10~2000Hz, 154m/s ²	490m/s ²	500cycles

Contact Ø	Current	Voltage	Contact resistance
Ø1mm	5A	500V	≤5m Ω
Ø1.5mm	10A	500V	≤2.5m Ω
Ø2mm	20A	500V	≤1.25m Ω
Ø3mm	40A	500V	≤0.75m Ω

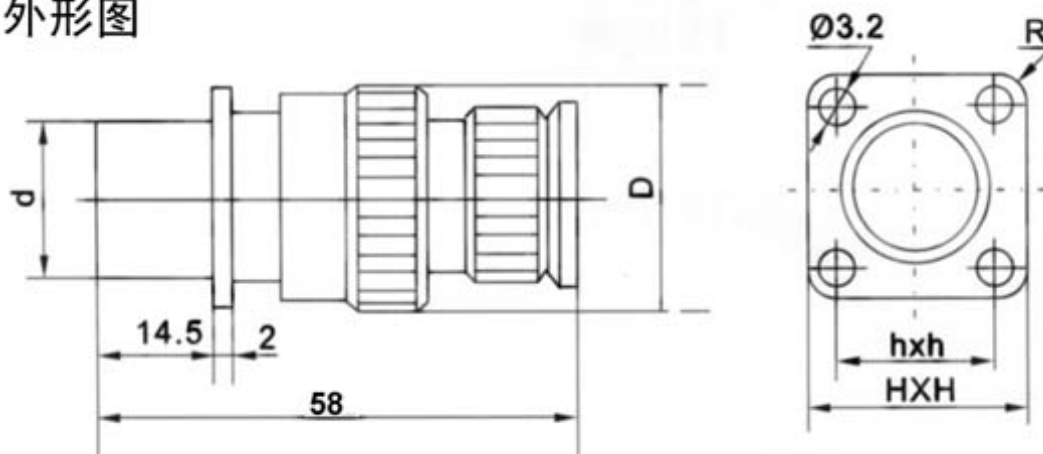
Environment	Sealing		Non-sealing	
	Voltage	Voltage proof	Voltage	Voltage proof
Normal	500V	1500V	500V	1500V
Moisture	500V	750V	500V	1125V
Low pressure(1KPa)	150V	300V	250V	300V

Tightness: sealing flange receptacle 152Kpa.

Environment proof:good performance of moisture proof,rain-proof,
Resist mildew and dust.

Dimensions

外形图



Type	d Ø	D Ø	H	h	R
XC14	14	24	25	19	3
Xc18	18	28	27.5	21.5	
XC22	22	32	30	24	
XC24	24	34	32	26	
XC27	27	37	34.5	28	3.3

XC30	30	40	36.5	30	3.3
XC33	33	43	39.5	32.5	3.5
XC36	36	46	41	34	3.5
XC39	39	49	43	36	3.5

Series contacts type

Type	Contacts	Type	Contacts	Type	Contacts
XC14-1	1-3.0	XC14-2	2-1.5	XC14-3	1-1.5+2-1.0
XC14-4	4-1.0	XC18-4	2-1.0+2-3.0	XC18-5	5-1.5
XC18-7	7-1.0	XC22-10	6-1.0+4-1.5	XC22-14	14-1.0
XC24-5	5-3.0	XC24-12	12-1.5	XC24-19	19-1.0
XC27-12	4-1.0+8-2.0	XC27-19	14-1.0+5-1.5	XC27-21	16-1.0+4-1.5
XC27-24	24-1.0	XC30-15	13-1.5+2-2.0	XC30-30	30-1.0
XC33-27	17-1.0+4-1.5 +2-2.0+4-3.0	XC30-19	10-1.0+4-1.5 +3-2.0+2-3.0	XC30-22	10-1.0+6-1.5 +6-2.0
XC33-22	18-1.5+4-2.0	XC33-41	41-1.0	XC36-41	23-1.0+8-1.5
XC36-40	34-1.0+4-1.5 +2-2.0	XC36-55	55-1.0	XC39-35	16-1.0+13-1.5 +2-2.0+4-3.5
XC39-16	16-3.0	XC39-51	43-1.0+8-1.5	XC39-62	62-1.0
XC39-36	18-1.0+6-1.5 +12-2.0	XC39-46	30-1.0+12-1.5 +4-2.0	XC39-47	39-1.0+4-1.5 +2-2.0+2-3.0

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