

ZH23 Series Bayonet Coupling Connector has the characteristics of environmental resistance, five key positioning, anti insertion error, and quick connection with bayonets. The contact parts are crimped and then released, used in low-frequency AC and DC circuits. ZH23 is the Chinese version of Russian connector CHЦ23.

Technical performance:

(1) Technical indicators

indicator	value
ambient temperature	-60 °C~+200 °C (maximum 200 °C)
vibration	Acceleration 40g (1-5000HZ)
impact	Acceleration 500g (once); 150g (multiple times);
Salt spray resistance	96h
relative humidity	30°C ~ 60°C 92% ~ 98%
insulation resistance	≥5000MΩ
Mechanical and Working Life	Insert and unplug 500 times
technical specifications	Q/3E 20005-2003



(2) Operating Voltage

Class	Operating Voltage(v)	Testing voltage(v)
A	700	2100
B	500	1850
C	400	1600

(3) Contact Current

1.0	1.5	2.0
11A	20A	35A

(4) Contact Resistance

1.0	1.5	2.0
≤40mΩ	≤2.5mΩ	≤1.6mΩ

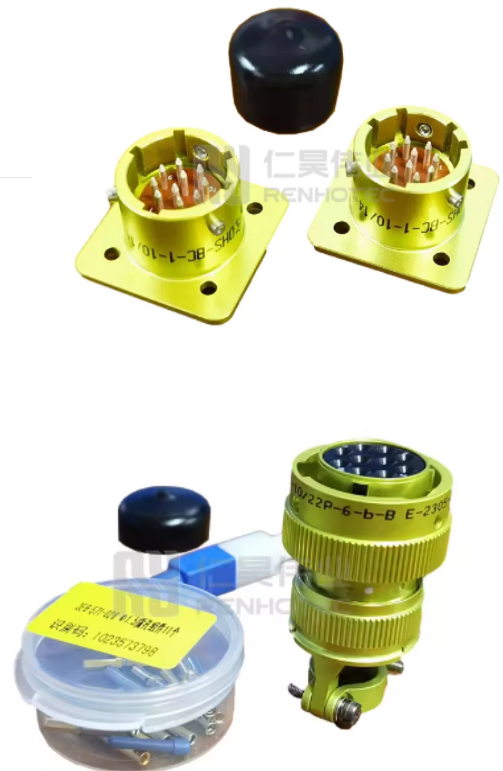
(5) Material Description

Shell material: anodized aluminum alloy surface;

Contact material: Copper alloy surface plated with gold;

Insert material: high-temperature resistant epoxy molding compound;

Sealing ring material: silicone rubber;



How to Order:

Example: ZH23-61/36P-6-A-B

ZH23	61	36	P	6	a	B
Main Code	Contacts number	Shell Size	Contact Type	Connector Type	Insert Rotation	Climate Condition

1) Main model marking

No.	Description	Russian Symbol	Chinese Symbol
1	Series Name	CHЦ23	ZH23
2	Contact number	3,4,7,10,19,24,28,32,41,43,45,55,61	3,4,7,10,19,24,28,32,41,43,45,55,61
3	Shell standard size(mm)	14,18,22,24,27,30,33,36,39	14,18,22,24,27,30,33,36,39
4	Contact type	B(pin)P(socket)	B(pin)P(socket)
5	Connector type code	(See Table 2 below)	(See Table 2 below)
6	Key position	Unmarked - Standard Key Position a,b,c,d	Unmarked - Standard Key Position a,b,c,d
7	climate condition (All weather)	B	B

2) Connector type codes (1. Appendix for main model markings)

Code description attached at the end

- 1 - Equipment part with simplified tail attachment
- 2 - Equipment part with straight clamp tail attachment
- 4 - Equipment part with angular clamp tail attachment
- 6 - Cable part with straight clamp type tail attachment
- 8 - Cable part with angular clamp type tail attachment
- 11 - Cable part with simplified tail attachment

Code description attached at the end

- 12 - Equipment part with 09 type heat shrink sleeving tail attachment
- 13 - Cable part with 09 type heat shrink sleeving tail attachment
- 15 - Equipment part with 05 type shielded straight tail attachment (memory ring)
- 16 - Cable part with 05 type shielded straight tail attachment (memory ring)
- 17 - Equipment part with 06 type screen curved tail attachment (memory ring)
- 18 - Cable part with 06 type screen curved tail attachment (memory ring)
- 19 - Equipment part with 07 type shielded simplified tail attachment
- 20 - Cable part with 07 type shielded simplified tail attachment
- 21 - Equipment part with 08 type shielded straight clamp wire tail attachment
- 22 - Cable part with 08 type shielded straight clamp wire tail attachment
- 25 - Equipment part with 10 type shielded bent tail attachment
- 26 - Cable part with 10 type shielded bent tail attachment
- 27 - Equipment part with 11 type shielded bent clamp wire tail attachment
- 28 - Cable part with 11 type shielded bent clamp wire tail attachment

3) Tail accessories marking

Description	value
Series Code	ZH23
Surface Treatment	N - nickel plating on the casing, J - Cadmium plating on the shell
Shell Size	14,18,22,24,27,30,33,36,39
Tail attachment type	05 - Shielded straight tail accessory (with memory ring) 06 - Shielded curved tail accessory (with memory ring) 07-Shielded tail accessories (simplified) 08-Shielded straight clamp wire tail accessories 09-Thermoplastic tube type tail accessory 10-Shielded curved tail accessory 11-Shielded bent clamp wire tail accessories

4 Insert Contact Arrangement

	3/14	4/14	7/18	10/18	接触件直径	标志
14号壳体					1.0mm	○
					1.5mm	◐
					2.0mm	◑
22号壳体	7/22	10/22	19/22		19/24	
	A	B	C		C	
27号壳体	19/27	28/27	32/27			
	C	C	C			
30号壳体	24/30	41/30	32/33		55/33	
	B	C	B		C	
36号壳体	43/36	61/36		45/39		
	C	C		C		
39号壳体						