



Product Service

CERTIFICATE

No. B 081994 0011 Rev. 01

Holder of Certificate: **Shanghai Hualun Instruments & Electronics Co., Ltd**

Building 1&3, JinJiang Industrial Park, Qianyang Road 271
200070 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Connector**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 7041011107901-02

Valid until: 2027-09-07

Date, 2022-09-08

(Jie Zhu)

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Model(s): XS abcdef, XK abcdef (see Appendix A)

Parameters:

Rated voltage:	See Appendix B
Rated current:	See Appendix B
Impulse voltage:	See Appendix B
Over voltage category:	II
Pollution degree:	2
Range of temperature:	-40°C to 100°C
Degree of protection:	IP67 when mated, wired and mounted according to DS.
With or without breaking capacity:	COC
Operating cycles:	500

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Appendix A

<u>XS</u>	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>
①	②	③	④	⑤	⑥	⑦

- ①. Series Prefix :
 XS : Push-pull Lock Connector
 XK : Reverse Bayonet Lock Connector
- ②. Variant 'a' stands for the shell size
 'a'=10; 12; 16; 18
 10 : 10mm
 12 : 12mm
 16 : 16mm
 18 : 18mm
- ③. Variant 'b' stands for the contact type
 'b'=J; K
 J : Pin
 K : Socket
- ④. Variant 'c' stands for the number of contacts, 1 or 2 digits, may be followed by a letter "a" or "b"
 'c'= 2; 2a; 3; 3a; 3b; 4; 4a; 5; 6; 7; 8; 9; 10; 12; 14
- ⑤. Variant 'd' stands for plug or receptacle type:
 'd'=C; W; F; L; LC
 C : Plug - Straight plug
 W : Plug - Angled plug
 F : Receptacle - Square Flange Receptacle
 L : Receptacle - Circular Flange Receptacle
 LC : Receptacle - Free Receptacle
- ⑥. Variant 'e' stands for sealed cable diameter
 'e'= I, II, or blank

Matching table for shell size, Plug or receptacle type and sealed cable diameter

Shell size	Plug or receptacle type	I	II	blank
10	C, LC	-	Φ3- Φ6,5 mm	-
	W	-	-	Φ3- Φ6,5 mm
	F, L	-	-	Not applicable
12	C, LC	Φ3- Φ6,5 mm	Φ4- Φ8 mm	-
	W	-	-	Φ4- Φ8 mm
	F, L	-	-	Not applicable
16	C, LC	Φ4- Φ8 mm	Φ7- Φ12 mm	-
	W	-	-	Φ5- Φ10 mm
	F, L	-	-	Not applicable
18	C, LC	Φ7- Φ12 mm	Φ10- Φ14 mm	-
	W	-	-	Φ7- Φ12 mm
	F, L	-	-	Not applicable

- ⑦. Variant 'f' stands for shell color
 'f'= Blank; BK
 Blank : bright
 BK : black

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Model description

①	②	③	④	⑤	⑥	⑦
XS, XK	10	J, K	2, 3, 4, 5	C, W	II	blank, BK
				LC	II	
				F, L	blank	
	12	J, K	2, 3, 4, 5, 6, 7	C, W	I, II	
				LC	I, II	
				F, L	blank	
	16	J, K	2, 2a, 3, 3a, 3b, 4, 4a, 5, 7, 8, 9, 10, 12	C, W	I, II	
				LC	I, II	
				F, L	blank	
	18	J, K	3, 6, 8, 14	C, W	I, II	
				LC	I, II	
				F, L	blank	

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Appendix B Parameter List

Models			Diameter of contacts x Qty.	Rated Voltage	Rated Current	Rated Impulse Voltage	Pollution degree	Range of temperature
①	②	④						
XS, XK	10	2	Φ1.0 x 2	250VAC	5A	2500V	2	-40°C ~100°C
		3	Φ1.0 x 3	250VAC	5A	2500V		
		4	Φ0.8 x 4	200VAC	3A	2500V		
		5	Φ0.8 x 5	125VAC	3A	1500V		
	12	2	Φ1.6 x 2	250VAC	13A	2500V		
		3	Φ1.0 x 3	250VAC	5A	2500V		
		4	Φ1.0 x 4	200VAC	5A	2500V		
		5	Φ1.0 x 5	200VAC	5A	2500V		
		6	Φ1.0 x 6	125VAC	5A	1500V		
		7	Φ1.0 x 7	125VAC	5A	1500V		
	16	2	Φ1.5 x 2	250VAC	10A	2500V		
		2a	Φ2.5 x 2	250VAC	25A	2500V		
		3	Φ1.0 x 3	250VAC	5A	2500V		
		3a	Φ1.5 x 3	250VAC	10A	2500V		
		3b	Φ2.5 x 2 Φ2.5 x 1 PE	250VAC	25A	2500V		
		4	Φ1.0 x 4	250VAC	5A	2500V		
		4a	Φ1.5 x 4	250VAC	10A	2500V		
		5	Φ1.0 x 5	250VAC	5A	2500V		
		7	Φ1.0 x 7	250VAC	5A	2500V		
		8	Φ1.0 x 8	250VAC	5A	2500V		
		9	Φ1.0 x 9	250VAC	5A	2500V		
		10	Φ1.0 x 10	200VAC	5A	2500V		
		12	Φ1.0 x 12	200VAC	5A	2500V		
	18	3	Φ2.5 x 3	250VAC	25A	2500V		
		6	Φ1.6 x 6	250VAC	13A	2500V		
		8	Φ1.6 x 3 Φ1.0 x 5	200VAC	13A 5A	2500V		
		14	Φ1.0 x 14	200VAC	5A	2500V		

Tested according to: EN 61984:2009