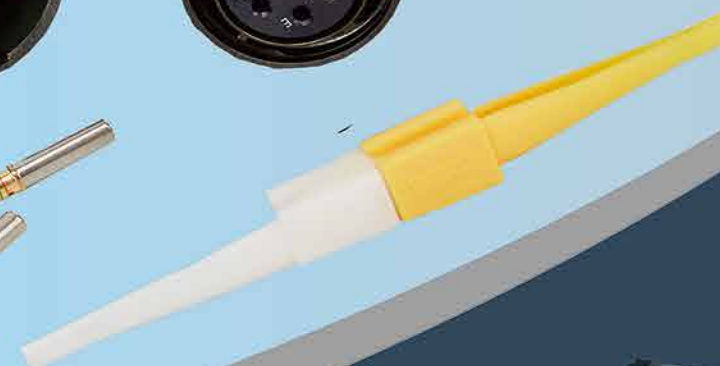
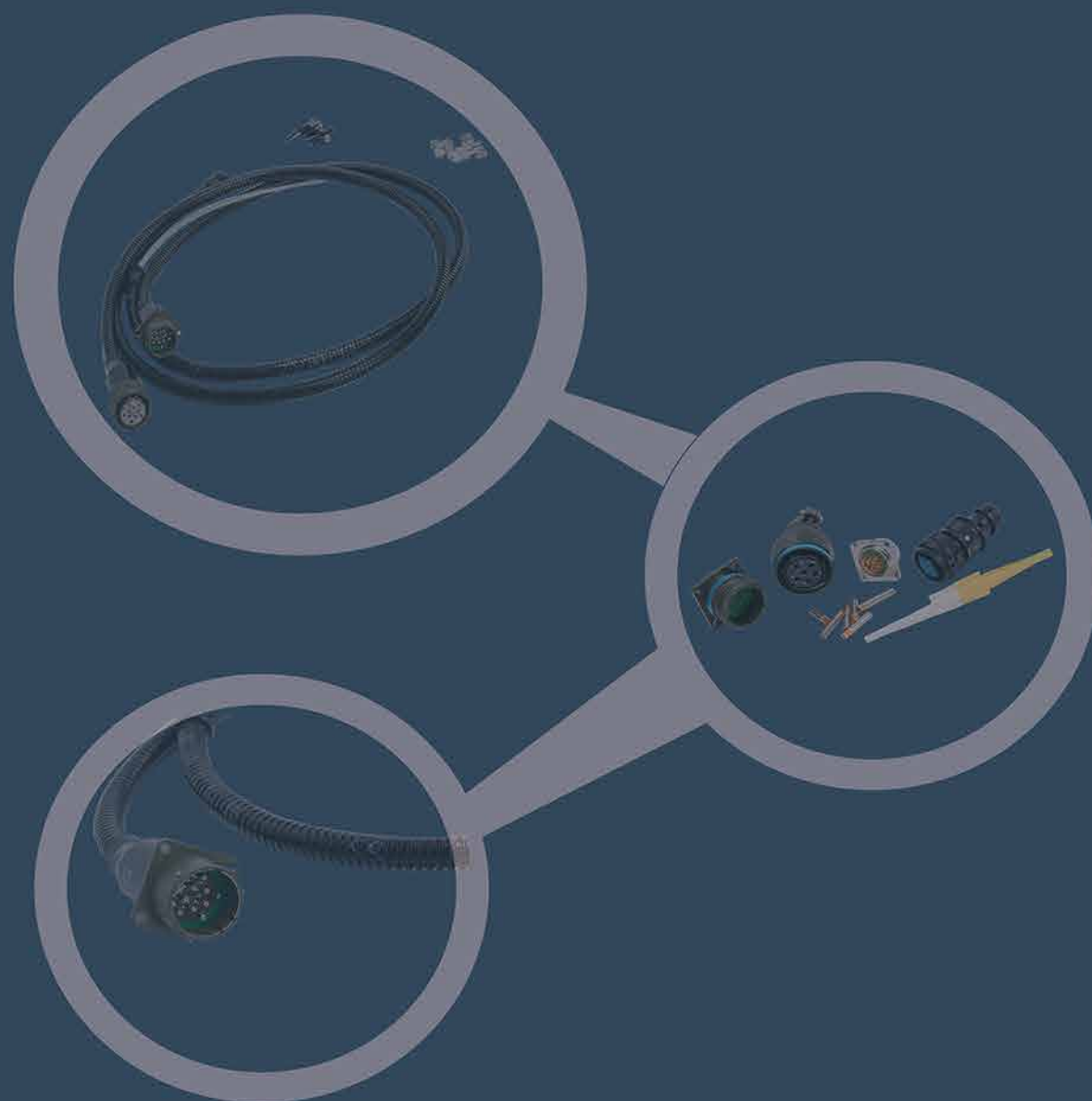




慈溪市大发精密连接器有限公司
Cixi Dafa Precise Linker Co.,Ltd.



慈溪市大发精密连接器有限公司



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Cixi Dafa Precise Linker Co.,Ltd.

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C公司简介 COMPANY PROFILE

慈溪市大发精密连接器有限公司 (原慈溪市大发连接器厂), 公司成立于1990年, 是一家以连接器为主导产品, 集产品的研发、生产、销售于一体的专业化民营企业, 建筑面积5500平方米。

目前公司生产的产品主要有: 耐环境快速分离圆形电连接器、高可靠电源连接器、滤波电连接器、MIL-C-38999系列高密度小圆形电连接器、推拉式圆形电连接器等50多个系列品种, 5000多种规格, 产品广泛用于各种通讯、航天、航空、航海、医疗、电力、交通、新能源、仪器仪表等领域。

公司自成立以来, 先后通过了ISO9001质量管理体系认证、军工产品质量管理体系认证、TS16949质量体系认证、27个系列产品通过欧盟CE认证, 15项产品获得国家外观设计专利。

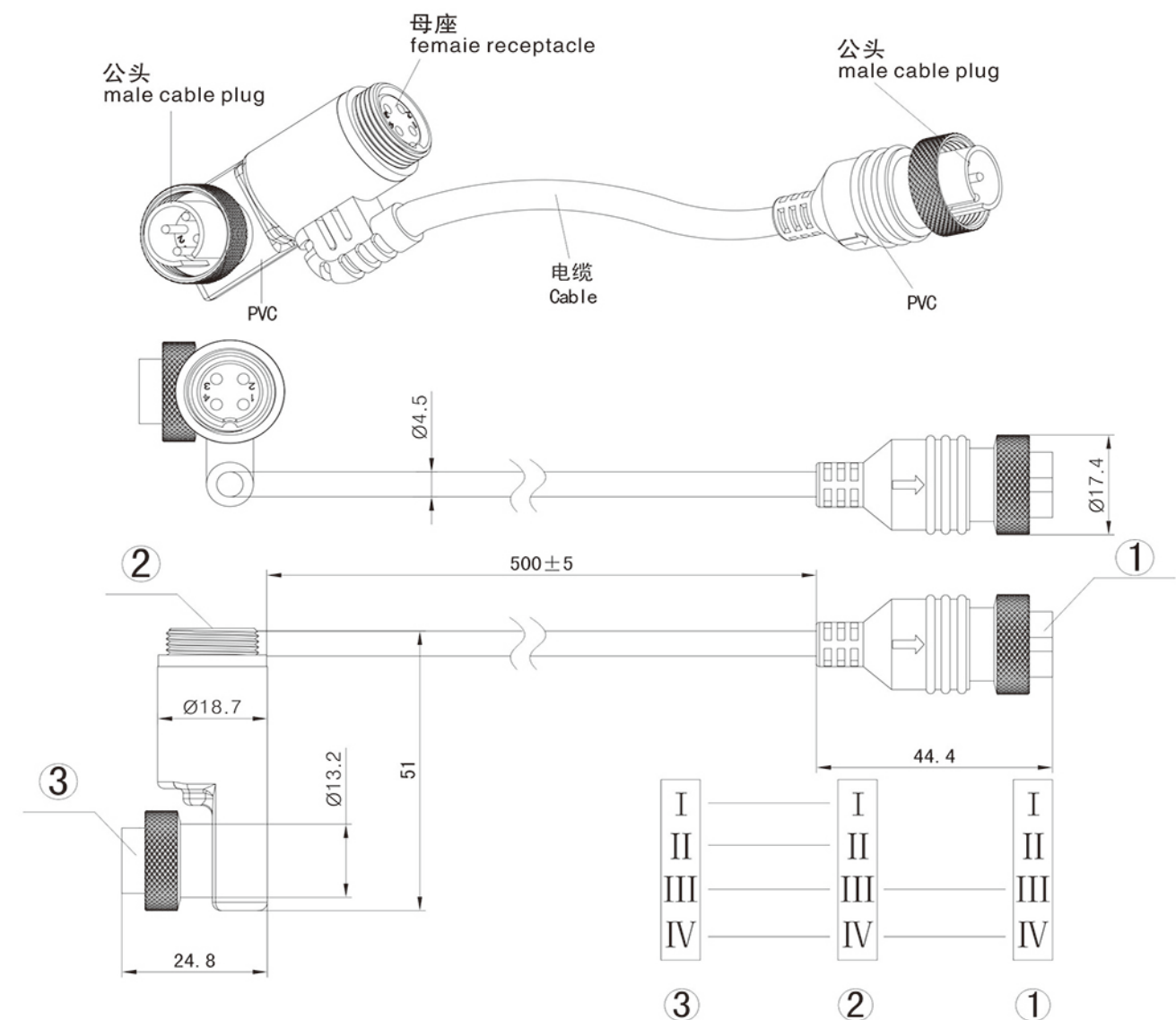
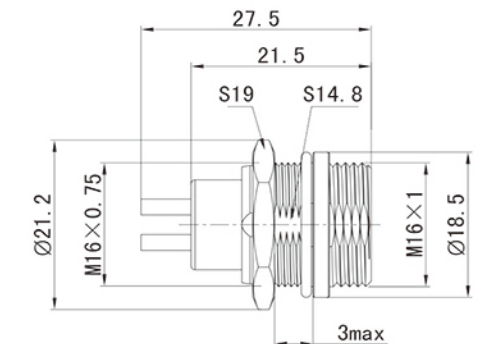
公司拥有强大的研发队伍、先进的加工设备、精密的检测仪器, 产品以反应速度快、开发周期短、品种质量优、服务意识强等赢得了国内外广大用户的一致好评。

我公司从连接器的研发到生产全部过程, 仅有表面处理是外协, 所有加工工艺都在公司内部完成, 这样有利于我们产品质量和产品交付进度的管控。公司秉承“专注客户需求, 以诚信铸就辉煌”的核心理念, 为员工、为客户、为合作伙伴、为社会创造价值, 力争把公司建设为具有显著影响力和竞争力的一家企业。

慈溪市大发精密连接器有限公司
Cixi Dafa Precise Linker Co., Ltd



GX 系列连接器 GX series connector



接触对排列分布从针的方向看 Contact Arrangements Comply with the needle direction	额定电流/电压 Rated Current/ voltage	工作电压(AC.V)分钟 Operating Limit voltage (AC.V.rms)	绝缘阻抗(MΩ)DV500V Insulation resistance (MΩ MIX)AT DC 500V	接触阻抗(MΩ)DC 1A Contact resistance (MΩ Max)AT DC 1A	接触对孔径φ (mm) Solder inter diameter
	5A-125V	200	1500	3	1.6

Company Introduction



Cixi Dafa preciseLinkr Co.,Ltd. (Formerly known as Cixi CityDafa Linker Factory), founded in 1990, is mainly services in connectors, R & D, production and sales of specialized private enterprises, construction area of 5500 square meters. At present mainly products are Environmental resistance to rapid the separation of electrical connector, high reliability power supply connector, filter connectors, MII-C-38999 series high density electrical connector, push-pull type electrical connector more than 50 Series 5000 varieties, products are widely used in a variety of communications, aerospace, aviation, navigation, medical, transportation, electricity, new energy, instrumentation and so on. Since inception the company has passed the ISO9001 Quality management certification, Military product quality management system certification, TS16949 Quality management system certification, Confidentiality qualification, CE certification, Some products access to a number of national patents. The company has a strong R & D team, advanced processing equipment, sophisticated detection equipment, Short development cycle, Short delivery period, short development cycle, varieties of excellent quality, strong sense of service, has won the domestic and foreign customers praise. In the face of increasingly fierce competition in the market, the company will uphold the " Customer focus, continue to meet customer requirement" business philosophy, We insist on the tenet "customer uppermost, quality first", welcome the new and old customers from demotic and abroad for technical, economic cooperation.

质量体系证书



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B 系列连接器

B series connector

B系列连接器采用安全的推拉自锁系统，适用于高级传感器及精密电子仪器设备之间的电气连接，本产品体积小，多芯类型2-30芯，接点密度高；多种键位选择。外壳采用铜合金加工，表面镀铬或者镀镍，插针插孔采用铜合金加工，表面镀金；绝缘体采用耐高温、具有良好绝缘性能的工程塑料注塑成型；护套采用软性工程塑料注塑成型，能良好的保护电缆。

B series connector using the push-pull self-locking safety system, applicable to high-level sensors and precision electronic and equipment of the electrical connection, the products are small, multipole types 2 to 30 contacts, high contact density; select multiple keys. The use of copper alloy shell processing, surface plating chrome or nickel, copper alloy pin jack used processing, the surface of gold-plated; insulators using high temperature, with good insulation properties of engineering plastics injection molding; sheath using soft plastics injection molding, cable can be well protected.



产品命名

浮动式插座 PH - G - 1B - 306 - C - L - L - 52 - Z
固定式插座 EG - G - 1B - 306 - C - L - L
插头 FG - G - 1B - 306 - C - L - A - 52 - Z

主型号 _____
变换键位: (见06页) _____
系列 _____
接触对数目 (第10-11页) _____
外壳材质: 黄铜镀铬 _____
绝缘体L: PA 6.6/PEEK/PPS _____
针芯类型: A: 插针 L: 插孔 _____
电缆直径 _____
橡胶护套 _____

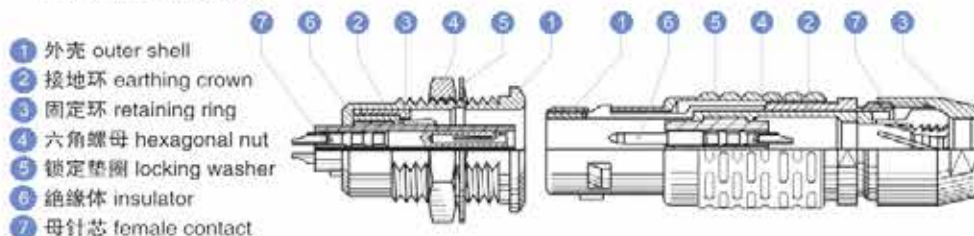
How to order

FREE SOCKET PH - G - 1B - 306 - C - L - L - 52 - Z
FIXED SOCKET EG - G - 1B - 306 - C - L - L
PLUG FG - G - 1B - 306 - C - L - A - 52 - Z

TYPE _____
ALTERNATE POSITION (See page:06) _____
SERIES _____
QTY OF CONTACTA (Page10 and11) _____
SHELL MATERIAL: BRASS, CHROME PLATED _____
INSULATOR: L: PA 6.6/PEEK/PPS _____
TYPE OF TERMINAL: A: MALE CONTACT
L: FEMALE CONTACT _____
CABLE DIAMETER _____
RUBBER BEND RELIEF _____

产品剖面图 Part Section Showing Internal Components

固定式插座 Fixed socket



直式插头 Straight plug

- 1 外壳 outer shell
- 2 锁定套筒 latch sleeve
- 3 尾盖 collet nut
- 4 绝缘体固定片 split insert carrier
- 5 绝缘体 insulator
- 6 公针芯 male contact
- 7 线夹 collet

B 系列连接器

B Series connector

技术特性

机械性能和环境因素

特性	参数	标准
插拔次数	> 5000次	IEC60512-5试验9a
湿度	在60° C时最高达95%	
温度范围	-55° C,+250° C	
抗振动性能	10-2000Hz,15g	IEC60512-4试验6d
抗冲击性能	100g,6ms	IEC60512-4试验6c
盐雾腐蚀试验	> 144 h	IEC60512-6试验11f
防护等级 (插合时)	IP50	IEC60529
环境实验	55/175/21	IEC60068-1

电气性能

特性	参数	标准
屏蔽效果	在10MHz下	> 75 dB
	在1GHz下	> 40 dB
		IEC60169-1-3
		IEC60169-1-3

注:

以上数据是对外壳采用黄铜镀铬,绝缘体采用PA66材料的FGG插头和EGG插座进行的各项试验得出。

Technical Characteristics

Mechanical and Climatical

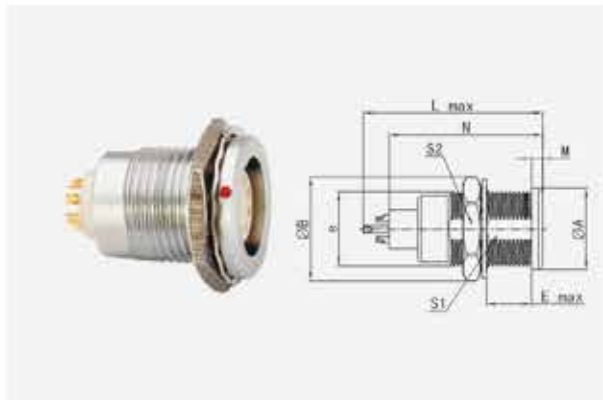
Characteristics	Value	Standard
Endurance	> 5000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60 °C	
Temperature range	- 55 °C, +250 °C	
Resistance to vibration	10-2000 Hz,15g	IEC 60512-4 test 6d
Shock resistance	100g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 144h	IEC 60512-6 test 11f
Protection index (mated)	IP50	IEC 60529
Climatical category	55/175/21	IEC 60068-1

Electrical

Characteristics	Value	Standard
Efficiency Shielding	at 10 MHz	> 75 dB
	at 1 GHz	> 40 dB
		IEC 60169-1-3
		IEC 60169-1-3

Note:

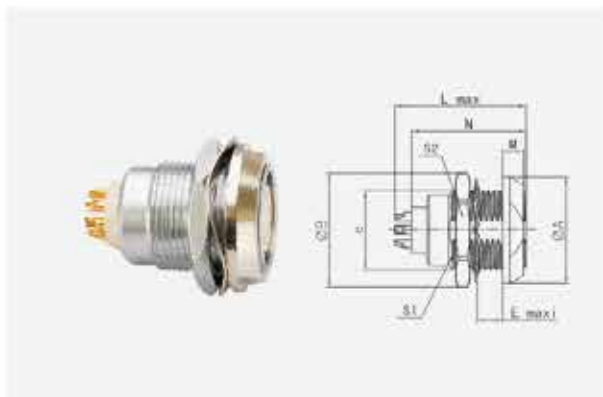
The various tests have been carried out with FGG and EGG connectorpairs,with chrome-plated brass shell and Pa66 insulator.



EGG

固定式插座,螺母固定,定位销 (G) 或定位销 (A...M和R)
Fixed socket,nut fixing,key(G)or keys(A...Mand R)

编号 Reference		尺寸 Dimensions(mm)								
型号 Model	系列 Series	A	B	e	E	L	M	N	S1	S2
EGG	00	8	10.2	M7x0.75	6	15.5	1	13.7	6.3	9
EGG	0B	10	12.4	M9x0.5	7	20.7	1.2	18	8.2	11
EGG	1B	14	15.6	M12x1.0	7.5	23.5	1.5	20	10.5	14
EGG	2B	18	19.2	M15x1.0	8.5	26.7	1.8	20	13.5	17
EGG	3B	22	25.0	M18x1.0	11.5	30.7	2	25	16.5	22



ECG

固定式插座,带两个螺母,定位销 (G) 或定位销 (A...M和R) (后面板安装)
Fixed socket with two nuts,key(G)or keys(A...Mand R)(back panel mounting)

编号 Reference		尺寸Dimensions(mm)								
型号 Model	系列 Series	A	B	e	E	L	M	N	S1	S2
ECG	00	10	10.2	M7x0.75	4.3	13.7	2.5	13.7	6.3	9
ECG	0B	12	12.4	M9x0.5	5.5	20.7	2.5	18	8.2	11
ECG	1B	16	15.8	M12x1.0	6.0	23	3.5	20	10.5	14
ECG	2B	20	19.2	M15x1.0	6.5	26.7	3.5	20	13.5	17
ECG	3B	24	25.0	M18x1.0	9.0	30.7	4.5	25	16.5	22

B 系列连接器

B Series connector

ECG

固定式插座，带两个螺母，定位销（G）或定位销（A...F和R）和适用于印制线路板的直针芯（后面板安装）

Fixed socket with two nuts, key (G) or keys (A...F and R) and straight contact for printed circuit (back panel mounting)

编号 Reference	尺寸 Dimensions (mm)									
型号 Model	系列 Series	A	B	e	E	L	M	N	S1	S2
ECG	00	10	10.2	M7x0.75	4.3	13.7	2.5	13.7	6.3	9
ECG	0B	12	12.4	M9x0.5	5.5	20.7	2.5	18	8.2	11
ECG	1B	16	15.8	M12x1.0	6.0	23	3.5	20	10.5	14
ECG	2B	20	19.2	M15x1.0	6.5	26.7	3.5	20	13.5	17
ECG	3B	24	25.0	M18x1.0	9.0	30.7	4.5	25	16.5	22

注：此针芯类型适用于配母针芯的E●●插座

Note: this contact type is available for E●● socket models fitted with female contacts.

HGG

固定式插座，螺母固定，定位销（G）或定位销（A...M和R），水密或真空密封

Fixed socket, nut fixing, key (G) or keys (A...M and R), watertight or vacuumtight

编号 Reference		尺寸 Dimensions (mm)							
型号 Model	系列 Series	A	B	e	E	L	M	S1	S2
HGG	00	11	10.2	M7x0.75	8	18	1.5	6.3	9
HGG	0B	13	12.4	M9x0.5	7	22.1	3	8.2	11
HGG	1B	18	15.8	M12x1.0	7	26.6	4.5	10.5	14
HGG	2B	20	19.2	M15x1.0	8	31.6	4	13.5	17
HGG	3B	25	25.0	M18x1.0	11.5	36.1	4	16.5	22

FGG

直式插头，定位销（G）或定位销（A...M和R），电缆线夹

Straight plug, key (G) or keys (A...M and R), cable collet

编号 Reference	尺寸 Dimensions (mm)							线夹孔位 Conflat hole
型号 Model	系列 Series	A	C	L	M	S1	S2	B
FGG	00 ¹⁾	5	6.4	28.5	20.5	5.5	5	1.7 2.2 2.7 3.1 3.5
FGG	0B	6.9	9.5	36.0	26.0	8.0	7	2.1 3.1 4.2 5.2 5.6
FGG	1B	9	12.0	43.0	32.0	10.0	9	2.7 3.1 4.2 5.2 6.2
FGG	2B	11.9	15.0	50.0	38.0	13.0	12	2.1 3.1 3.4 4.2 5.2 6.2 7.2 8.2 9.5
FGG	3B	14.9	18.0	58.0	43.0	15.0	14	3.4 5.2 6.2 7.2 8.2 9.2 10.0 11.0 12.0

FGG

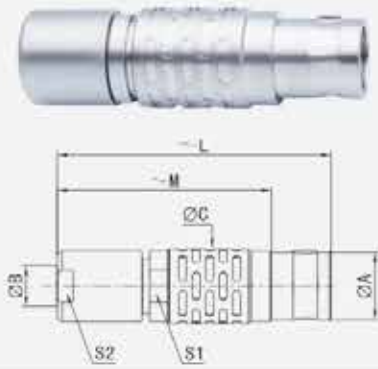
直式插头，定位销（G）或定位销（A...M），电缆线夹和带护套型的尾盖²⁾

Straight plug, key (G) or keys (A...M), cable collet and nut for fitting a bend relief²⁾

编号 Reference	尺寸 Dimensions (mm)							线夹孔位 Conflat hole
型号 Model	系列 Series	A	C	L	M	S1	S2	B
FGG	00 ¹⁾	5	6.4	28.5	20	5.5	5	1.7 2.2 2.7 3.1 3.5
FGG	0B	6.9	9.5	36.0	25	8.0	7	2.1 3.1 4.2 5.2 5.6
FGG	1B	9	12.0	43.0	31	10.0	9	2.7 3.1 4.2 5.2 6.2
FGG	2B	11.9	15.0	50.0	37	13.0	12	2.1 3.1 3.4 4.2 5.2 6.2 7.2 8.2 9.5
FGG	3B	14.9	18.0	56.5	41.5	15.0	14	3.4 5.2 6.2 7.2 8.2 9.2 10.0 11.0 12.0

B 系列连接器

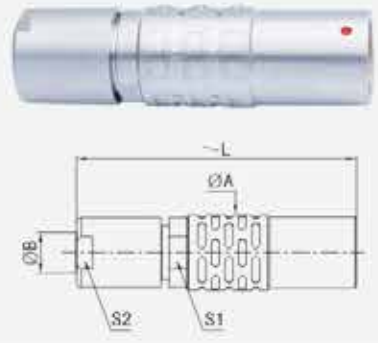
B Series connector



FFG

直式插头，不带锁定装置，定位销（G）或定位销（A...M），电缆线夹
Fixed socket with two nuts, key(G) or keys(A...M), cable collet

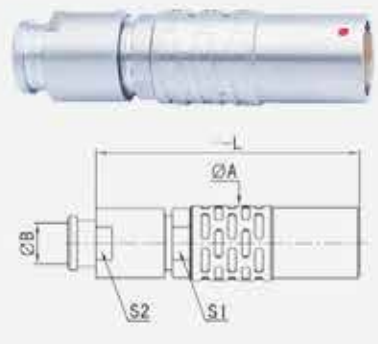
编号 Reference		尺寸 Dimensions(mm)						线夹孔位 Conillet hole
型号 Model	系列 Series	A	C	L	M	S1	S2	B
FFG	00 ⁵	5	6.4	28.5	20.5	5.5	5	1.7 2.2 2.7 3.1 3.5
FFG	0B	6.9	9.5	36.0	26.0	8.0	7	2.1 3.1 4.2 5.2 6.2
FFG	1B	9	12.0	43.0	32.0	10.0	9	2.7 3.1 4.2 5.2 6.2
FFG	2B	11.9	15.0	50.0	38.0	13.0	12	3.1 3.1 3.4 4.2 5.2 6.2 7.2 8.2 8.5
FFG	3B	14.9	18.0	56.0	43.0	15.0	14	3.4 5.2 6.2 7.2 8.2 9.2 10.0 11.0 12.0



PHG

浮动式插座，定位销（G）或定位销（A...M和R），电缆线夹
Free socket, key(G) or keys(A...M and R), cable collet

编号 Reference		尺寸 Dimensions(mm)				线夹孔位 Conillet diameter
型号 Model	系列 Series	A	L	S1	S2	B
PHG	00 ⁵	6.8	26.0	5.5	5	1.7 2.2 2.7 3.1 3.5
PHG	0B	9.5	35.5	8.0	7	2.1 3.1 4.2 5.2 6.2
PHG	1B	12.5	40.5	10.0	9	2.7 3.1 4.2 5.2 6.2
PHG	2B	16.5	47.0	13.0	12	3.1 3.1 3.4 4.2 5.2 6.2 7.2 8.2 8.5
PHG	3B	19.0	56.0	15.0	14	3.4 5.2 6.2 7.2 8.2 9.2 10.0 11.0 12.0



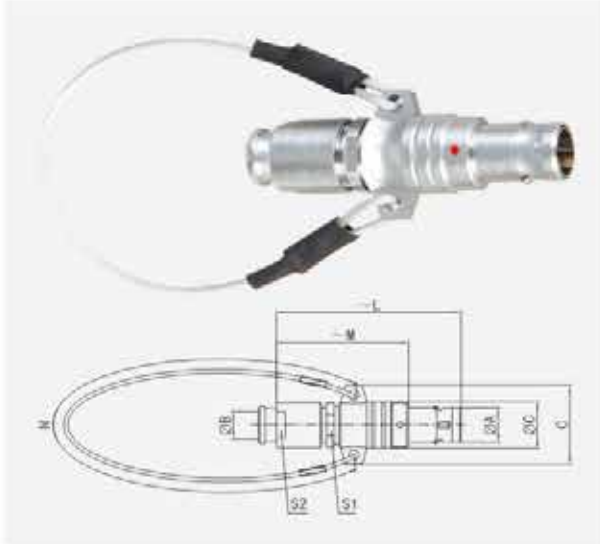
PHG

浮动式插座，定位销（G）或定位销（A...M），电缆线夹和带护套型的尾盖²¹
Free socket, key(G) or keys(A...M), cable collet and nut for fitting a bend relief

编号 Reference		尺寸 Dimensions(mm)				线夹孔位 Conillet diameter
型号 Model	系列 Series	A	L	S1	S2	B
PHG	00 ⁵	6.8	34.0	5.5	5	1.7 2.2 2.7 3.1 3.5
PHG	0B	9.5	34.5	8.0	7	2.1 3.1 4.2 5.2 6.2
PHG	1B	12.5	39.5	10.0	9	2.7 3.1 4.2 5.2 6.2
PHG	2B	16.5	46.0	13.0	12	3.1 3.1 3.4 4.2 5.2 6.2 7.2 8.2 8.5
PHG	3B	19.0	54.5	15.0	14	3.4 5.2 6.2 7.2 8.2 9.2 10.0 11.0 12.0

B 系列连接器

B Series connector

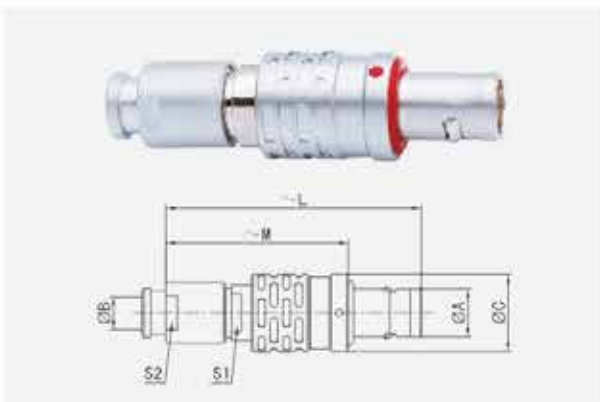


FNG

直式插头, 定位销 (G) 或定位销 (A...M和R), 电缆线夹和解锁拉绳
Straight plug, key(G) or keys (A...M and R), cable collet and lanyard release

编号 Reference		尺寸 Dimensions(mm)								线夹孔位 Conilet diameter	
型号 Model	系列 Series	A	C	B	L	N	S1	S2	M	B	
FNG	0B	6.9	9.5	15.5	36.0	140	8	7	26	2.1	3.1
FNG	1B	9	12.0	18.0	43.0	140	10	9	32	2.7	3.1
FNG	2B	11.9	15.0	21.0	49.0	160	13	12	37	2.1	3.1
FNG	3B	14.9	18.0	25.0	58.0	190	15	14	43	2.7	3.1

注: 接绳材料: 不锈钢索加聚酰胺外皮。
Note: cable material stainless steel with polyamide sheath.



FEJ

直式插头, 定位销 (G) 或定位销 (A...M), 电缆线夹和带护套型的尾盖²⁾
Free socket, key(G) or keys (A...M), cable collet and nut for fitting a bend relief²⁾

Free socket, key(G) or keys (A...M), cable collet and nut for fitting a bend relief²⁾

编号 Reference		尺寸 Dimensions(mm)						线夹孔位 Conilet diameter	
型号 Model	系列 Series	A	C	L	M	S1	S2	B	
FEJ	0B	6.9	11	35	25	8	7	2.1	3.1



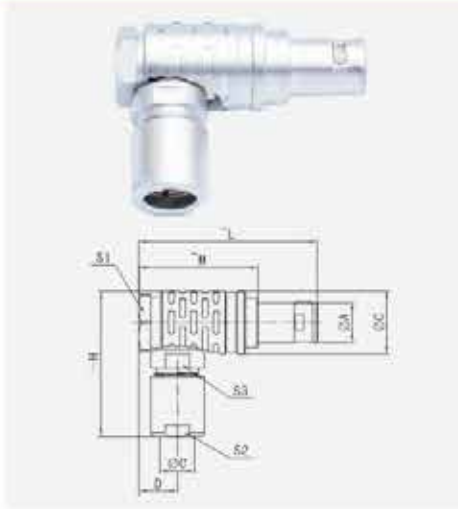
HEJ

固定式插座, 螺母固定, 定位销 (G) 或定位销 (A...M和R)
Fixed socket, nut fixing, key(G) or keys (A...M and R)

编号 Reference		尺寸 Dimensions(mm)						
型号 Model	系列 Series	A	B	e	E	L	S1	S2
HEJ	0B	12	13	M9x0.5	5.5	19.5	8.2	10.5

B 系列连接器

B Series connector



FHG

90°弯式插头，定位销（G）或定位销（A...M和R），电缆线夹
Elbow(90°)plug, key(G) or keys(A...M and R), cable collet

编号 Reference		尺寸 Dimensions(mm)									线夹孔位 Conllet diameter
型号 Model	系列 Series	A	C	D	H	L	M	S1	S2	S3	B
FHG	00 ¹⁾	5	7.7	5.2	18.0	24.5	16.5	7	5	5.5	1.7, 2.2, 2.7, 3.1, 3.5
FHG	0B	6.9	11.0	6.5	26.0	31.6	21.6	10	7	8.0	2.1, 3.1, 4.2, 5.2, 5.6
FHG	1B	9	13.5	8.0	30.5	36.0	25.0	11	9	10.0	2.7, 3.1, 4.2, 5.2, 5.6
FHG	2B	11.9	16.5	9.0	34.0	41.5	29.5	14	12	13.0	2.1, 3.1, 3.4, 4.2, 5.2, 5.6, 7.2, 8.2, 8.5
FHG	3B	14.9	19.0	10.0	37.0	50.0	35.0	17	14	15.0	3.4, 5.2, 6.2, 7.2, 8.2, 9.2, 10.0, 11.0, 12.0

注：1) 00系列的表面设计有别于其他系列。
Note: 1) the surface design of the 00 series is different.

定位销（B系列） Alignment Key (B series)

定位销和极性定位销组合

Alignment Key and Polarized Keying System

B系列连接器外壳型号由三个字母组成，最后一个字母表示定位销位置和针芯类型（公针芯或母针芯）。

B series connector model part numbers are composed of three letters. The LAST LETTER indicates the key position and the contact type (male or female).

插座正视图 Front view of a socket	编号 Reference	定位销 数量 Nb of keys	角度 Angles	系列 Series			编号 Reference	定位销 数量 Nb of keys	角度 Angles	系列 Series		针芯类型 Contact type		注 Note
				00	0B	1B				2B	3B	插头 Plug	插座 Socket	
				0°	0°	0°				0°	0°	公针芯 Male	母针芯 Female	●
	G	1		0°	0°	0°	G	1		0°	0°	公针芯 Male	母针芯 Female	●
	A	2		30°	30°	30°	A	2		30°	30°	公针芯 Male	母针芯 Female	●
	B	2	α	60°	60°	60°	B	2	α	45°	45°	公针芯 Male	母针芯 Female	●
	C	2		—	90°	90°	C	2		60°	60°	公针芯 Male	母针芯 Female	●
	D	2		—	135°	135°	D	2	γ	95°	95°	公针芯 Male	母针芯 Female	○
	E	2	β	—	145°	145°	E	2	β	120°	120°	公针芯 Male	母针芯 Female	○
	F	2		—	155°	155°	F	2		145°	145°	公针芯 Male	母针芯 Female	○
	J	2		45°	45°	45°	J	2	α	37.5°	37.5°	母针芯 Female	公针芯 Male	●
	K	2	γ	—	70°	70°	K	2		52.5°	52.5°	母针芯 Female	公针芯 Male	○
	L	2		—	80°	80°	L	2	γ	70°	70°	母针芯 Female	公针芯 Male	○
	M	2	δ	—	110°	—	M	2	—	—	—	母针芯 Female	公针芯 Male	○
	Y	3	—	—	—	—	Y	3	β	112.5°	126°	公针芯 Male	母针芯 Female	● 1)
			—	—	—	—			γ	100°	102°			
	R	5	α	—	—	—	R	5	α	—	—	公针芯 Male	母针芯 Female	●
			β	—	—	—			β	—	—			
			γ	—	—	—			γ	—	—			
			δ	—	—	—			δ	—	—			

K 系列防水连接器 | K series waterproof connector

K 系列连接器专为室外应用而设计，采用安全的推拉自锁系统，本产品体积小，多芯2-21芯，接点密度高；多种键位选择。外壳采用铜合金加工，表面镀铬或者镀镍。插针插孔采用铜合金加工，表面镀金；绝缘体采用耐高温、具有良好绝缘性能的工程塑料注塑成型；护套采用软性工程塑料注塑成型。能良好的保护电缆。该系列的所有型号插合时都防水，并且防护等级达到IP68。

K series connectors designed for outdoor applications, using the push-pull self-locking, security system, the products are small, type of multi-core Core 2-21, high contact density; select multiple keys. The use of copper alloy shell processing, surface plating chrome or nickel, copper alloy pin jack used processing, the surface of gold-plated; Insulators with good insulation properties of engineering plastics injection molding; sheath using soft plastics injection molding, cable can be well protected. All models in the series are waterproof, and protective levels reached IP68.



命名 How to order

浮动式插座 PH - G - 1K - 306 - C - L - L - 52 - Z

固定式插座 EG - G - 1K - 306 - C - L - L

插头 FG - G - 1K - 306 - C - L - A - 52 - Z

主型号

变换键位: (见06页)

系列

接触对数目 (第10-11页)

外壳材质: 黄铜镀铬

绝缘体: PA 6.6/PEEK/PPS

针芯类型: A: 插针 L: 插孔

电缆直径

橡胶护套

FREE SOCKET PH - G - 1K - 306 - C - L - L - 52 - Z

FIXED SOCKET EG - G - 1K - 306 - C - L - L

PLUG FG - G - 1K - 306 - C - L - A - 52 - Z

TYPE

ALTERNATE POSITION
(See page:06)

SERIES

QTY OF CONTACTS (Page10 and11)

SHELL MATERIAL: BRASS, CHROME PLATED

INSULATOR: L: PA 6.6/PEEK/PPS

TYPE OF TERMINAL: A: MALE CONTACT
L: FEMALE CONTACT

CABLE DIAMETER

RUBBER BEND RELIEF

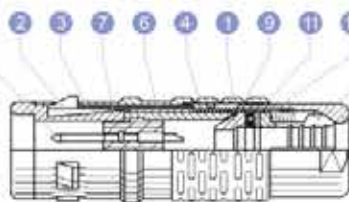
产品剖面图 Part Section Showing Internal Components

固定式插座 Fixed socket



- ① 外壳 outer shell
- ② 接地环 earthing crown
- ③ 固定环 retaining ring
- ④ 六角螺母 hexagonal nut
- ⑤ 绝缘体 insulator
- ⑥ 母针芯 female contact
- ⑦ O形圈 o-ring

直式插头 Straight plug



- ① 外壳 outer shell
- ② 锁定套筒 latch sleeve
- ③ 内壳 inner shell
- ④ 固定环 retaining ring
- ⑤ 尾盖 collet nut
- ⑥ 绝缘体固定片 split insert carrier
- ⑦ 绝缘体 insulator
- ⑧ 公针芯 male contact
- ⑨ 接地锥 earthing cone
- ⑩ 线夹 collet
- ⑪ 弹性垫圈 gasket
- ⑫ 金属垫 washer

K 系列防水连接器 | K series waterproof connector

金属外壳型号 Metal housing models

技术特性

机械性能和环境因素

特性	参数	标准
插拔次数	> 5000次	IEC60512-5试验9a
温度	在60° C时最高达95%	
温度范围	-55° C,+220° C	
抗振动性能	10-2000Hz,15g	IEC60512-4试验6d
抗冲击性能	100g,6ms	IEC60512-4试验6c
盐雾腐蚀试验	> 144 h	IEC60512-6试验11f
防护等级 (耦合时) ¹⁾	IP68/IP66	IEC60529
环境实验	50/175/21	IEC60068-1

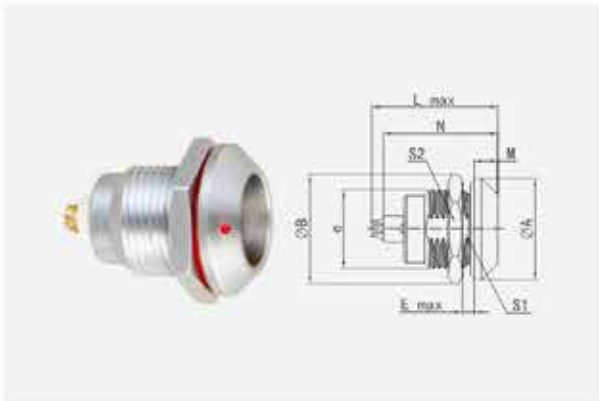
电气性能

特性	参数	标准
屏蔽效果	在10MHz下	> 95 dB
	在1GHz下	> 80 dB
		IEC60169-1-3
		IEC60169-1-3

注:

以上数据是对外壳采用黄铜镀铬、绝缘体采用PA66材料,带硅胶O形圈的FGG插头和EGG插座进行的各项试验得出。

1) 若电缆外形足够圆,并且组装过程保证密封良好,那么可以达到IP68防护等级。



Technical Characteristics

Mechanical and Climatical

Characteristics	Value	Standard
Endurance	> 5000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60°C	
Temperature range	- 55°C, +220°C	
Resistance to vibration	10-2000 Hz, 15g	IEC 60512-4 test 6d
Shock resistance	100g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 144h	IEC 60512-6 test 11f
Protection index (mated) ¹⁾	IP68/IP66	IEC 60529
Climatical category	50/175/21	IEC 60068-1

Electrical

Characteristics	Value	Standard
Efficiency Shielding	at 10 MHz	> 95 dB
	at 1 GHz	> 80 dB
		IEC 60169-1-3
		IEC 60169-1-3

Note:

The various tests have been carried out with FGG and EGG connector pairs, with chrome-plated brass shell, PA66 insulator and silicone O-ring.

1) IP68 achieved providing that the cable is perfectly circular and that assembly process ensures a high integrity seal.

EGG

固定式插座,螺母固定,定位销 (G) 或定位销 (A...F, L和R)
Fixed socket, nut fixing, key (G) or keys (A to F, L and R)

编号 Reference		尺寸 Dimensions(mm)								
型号 Model	系列 Series	A	B	e	E	L	M	N	S1	S2
EGG	0K	18	19.2	M14x1.0	6	21.7	4.0	20.1	12.5	17
EGG	1K	20	21.5	M16x1.0	9	27.0	4.5	25.1	14.5	19
EGG	2K	25	27.0	M20x1.0	9	30.7	5.0	28.6	18.5	24



FGG

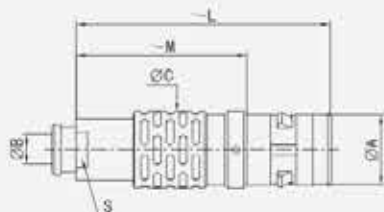
直式插头,定位销 (G) 或定位销 (A...F, L和R), 电缆线夹
Straight plug, key (G) or keys (A to F, L and R), cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Collet hole
型号 Model	系列 Series	A	C	L	M	S	B
FGG	0K	9.9	11	34	23.0	8	1.6 2.1 3.1 4.2 5.2
FGG	1K	12	13	42	28.0	9	1.8 2.2 4.2 5.2 6.2 7.2
FGG	2K	14.9	16	52	36.0	12	5.2 6.2 8.2 10.2

K 系列防水连接器 | K series waterproof connector

FGG

直式插头，定位销 (G) 或定位销 (A...F, L 和 R)，电缆线夹和带护套型的尾盖¹⁾
Straight plug, key (G) or keys (A to F, L and R), cable collet and nut for fitting a bend relief¹⁾

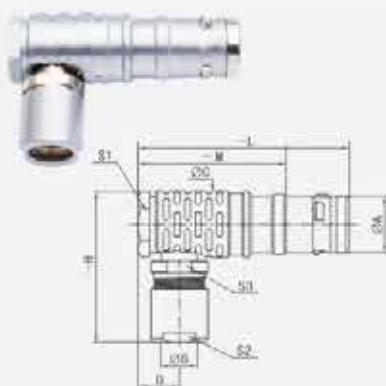


编号 Reference		尺寸 Dimensions (mm)					线夹孔位 Conlet hole
型号 Model	系列 Series	A	C	L	M	S	B
FGG	0K	9.9	11	34	23.0	8	1.6 2.1 3.1 4.2 5.2
FGG	1K	12	13	42	28.0	9	1.6 2.2 3.2 4.2 5.2 7.2
FGG	2K	14.9	16	52	36.0	12	5.2 6.2 8.2 10.2

注: 1) 定购时，在编号后加一字母“Z”
Note: 1) to order, add a "Z" at the end of the reference.

FHG

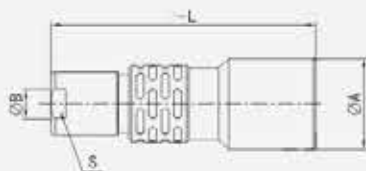
90° 弯脚式插头，定位销 (G) 或定位销 (A...F, L 和 R)，电缆线夹
Elbow (90°) plug, key (G) or keys (A to F, L and R), cable collet



编号 Reference		尺寸 Dimensions(mm)									线夹孔位 Conlet hole
型号 Model	系列 Series	A	C	D	H	L	M	S1	S	S3	B
FHG	0K	9.9	11.5	7.6	27	36	25.0	10	8	8	1.6 2.1 3.1 4.2 5.2
FHG	1K	12	14.0	8.8	31	43	29.0	12	9	10	1.6 2.2 3.2 4.2 5.2 6.2 7.2
FHG	2K	14.9	17.5	10.5	40	54	38.0	15	12	13	5.2 6.2 8.2 10.2

PHG

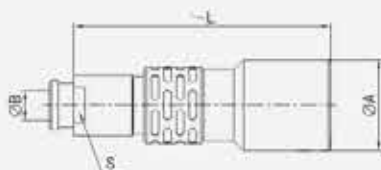
浮动式插座，定位销 (G) 或定位销 (A...F, L 和 R)，电缆线夹
Free socket, key (G) or keys (A to F, L and R), cable collet



编号 Reference		尺寸 Dimensions (mm)			线夹孔位 Conlet hole
型号 Model	系列 Series	A	L	S	B
PHG	0K	13	34.0	8	1.6 2.1 3.1 4.2 5.2
PHG	1K	15	45.0	9	1.6 2.2 3.2 4.2 5.2 6.2 7.2
PHG	2K	19	54.0	12	5.2 6.2 8.2 10.2

PHG

浮动式插座，定位销 (G) 或定位销 (A...F, L 和 R)，电缆线夹和带护套型的尾盖¹⁾
Free socket, key (G) or keys (A to F, L and R), cable collet and nut for fitting a bend relief¹⁾



编号 Reference		尺寸 Dimensions (mm)			线夹孔位 Conlet hole
型号 Model	系列 Series	A	L	S	B
PHG	0K	13	34.0	8	1.6 2.1 3.1 4.2 5.2
PHG	1K	15	45.0	9	1.6 2.2 3.2 4.2 5.2 6.2 7.2
PHG	2K	19	54.0	12	5.2 6.2 8.2 10.2

K 系列防水连接器 | K series waterproof connector

针芯 (B和K系列) Insert configuration(B and K series)

多芯 Multipole



系列 Series	00					
	302	303	304			
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	0.5	0.5	0.5			
接触电阻 (mΩ) Contact resistance(mΩ)	10	10	10			
工作电流 (A) Working Current(A)	5	3	2			
测试电压 (V) Test.Voltage(V)	600	600	450			
工作电压 (V) Working Voltage(V)	250	250	200			

系列 Series	0B-0K						
	302	303	304	305	306	307	309
芯数 NO of contacts							
接触体直径 (mm) Solder inter diameter(mm)	0.9	0.9	0.7	0.7	0.5	0.5	0.5
接触电阻 (mΩ) Contact resistance(mΩ)	6	6	7.5	7.5	10	10	10
工作电流 (A) Working Current(A)	10	10	7	7	5	5	5
测试电压 (V) Test.Voltage(V)	1000	875	875	750	750	750	750
工作电压 (V) Working Voltage(V)	500	400	300	300	300	300	300

系列 Series	1B-1K					
	302	303	304	305	306	307
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	1.3	1.3	0.9	0.9	0.7	0.7
接触电阻 (mΩ) Contact resistance(mΩ)	5	5	6	6	7.5	7.5
工作电流 (A) Working Current(A)	14	14	10	10	7	7
测试电压 (V) Test.Voltage(V)	1250	1000	1000	875	875	875
工作电压 (V) Working Voltage(V)	550	500	500	450	450	400

系列 Series	1B-1K					
	308	310	314	316		
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	0.7	0.5	0.5	0.5		
接触电阻 (mΩ) Contact resistance(mΩ)	7.5	10	10	10		
工作电流 (A) Working Current(A)	7	5	5	5		
测试电压 (V) Test.Voltage(V)	875	750	750	750		
工作电压 (V) Working Voltage(V)	333	333	300	300		

K 系列防水连接器 | K series waterproof connector

针芯 (B和K系列) Insert configuration(B and K series)

多芯 Multipole



系列 Series	2B-2K					
	302	303	304	305	306	307
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	2.0	1.6	1.3	1.3	1.3	1.3
接触电阻 (mΩ) Contact resistance(mΩ)	3	4	5	5	5	5
工作电流 (A) Working Current(A)	20	17	14	14	14	14
测试电压 (V) Test Voltage(V)	1500	1500	1500	1250	1250	1250
工作电压 (V) Working Voltage(V)	700	800	750	600	500	500

系列 Series	2B-2K					
	308	310	312	314	316	319
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	0.9	0.9	0.7	0.7	0.7	0.5
接触电阻 (mΩ) Contact resistance(mΩ)	6	6	7.5	7.5	7.5	7.5
工作电流 (A) Working Current(A)	10	10	7	7	7	7
测试电压 (V) Test Voltage(V)	1250	1250	1000	875	875	875
工作电压 (V) Working Voltage(V)	500	500	450	400	388	300

系列 Series	3B					
	304	308	310	312	314	316
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	2.0	1.3	1.3	0.9	0.9	0.9
接触电阻 (mΩ) Contact resistance(mΩ)	3	5	5	6	6	6
工作电流 (A) Working Current(A)	17	14	14	10	10	10
测试电压 (V) Test Voltage(V)	1500	1250	1250	1250	1250	1250
工作电压 (V) Working Voltage(V)	550	550	450	450	450	450

系列 Series	3B					
	318	320	322	324	326	330
芯数 NO of contacts						
接触体直径 (mm) Solder inter diameter(mm)	0.9	0.7	0.7	0.7	0.7	0.7
接触电阻 (mΩ) Contact resistance(mΩ)	6	7.5	7.5	7.5	7.5	7.5
工作电流 (A) Working Current(A)	10	7	7	7	7	7
测试电压 (V) Test Voltage(V)	1000	1000	875	875	875	875
工作电压 (V) Working Voltage(V)	450	368	368	333	333	300

K 系列防水连接器 K series waterproof connector

线夹 (B系列) Collets (B series)

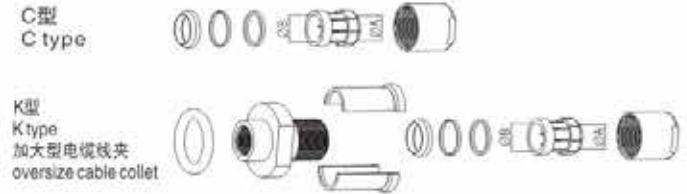
适用于B系列的D型和M型线夹
D and M type collets for B series



	编号 Reference		线夹Φ Collet Φ		电缆Φ Cable Φ	
	类型 Type	编码 Code	ΦA	ΦB	最大值 max.	最小值 Min.
00	D	17	1.7	-	1.6	1.1
	D	22	2.2	-	2.1	1.6
	D	27	2.7	-	2.6	2.1
	D	30	3.1	2.8	3.0	2.5
	D	35	3.5	2.8	3.4	2.9
0B	D	21	2.1	-	2.0	1.5
	D	31	3.1	-	3.0	2.1
	D	42	4.2	-	4.0	3.1
	D	52	5.2	4.7	5.0	4.1
1B	D	56	5.6	4.7	5.5	5.1
	D	42	4.2	-	4.0	3.1
	D	52	5.2	-	5.0	4.1
2B	D	62	6.2	-	6.0	5.1
	D	72	7.2	-	7.0	6.1
	D	82	8.2	-	8.0	7.1
3B	D	92	9.2	-	9.0	8.1
	D	99	9.9	8.6	9.7	9.1
	M	52	5.2	-	5.0	4.1
	D	62	6.2	-	6.0	5.1
	D	72	7.2	-	7.0	6.1
	D	82	8.2	-	8.0	7.1
	D	92	9.2	-	9.0	8.1
	D	10	10.2	-	10.0	9.1
	D	11	11.2	10.2	11.0	10.1
	D	12	11.9	10.2	11.7	11.1

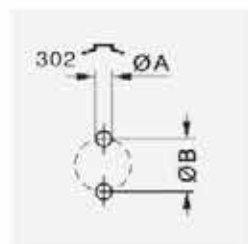
线夹 (K系列) Collets (K series)

适用于K系列的C型和K型线夹
C and K type collets for K series

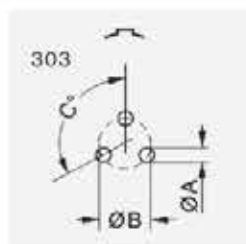


	编号 Reference		线夹Φ Collet Φ		电缆Φ Cable Φ	
	类型 Type	编码 Code	ΦA	ΦB	最大值 max.	最小值 Min.
0K	C	10	1.6	-	1.2	1.0
	C	15	1.6	-	1.5	1.3
	C	20	2.1	-	2.0	1.6
	C	25	3.1	-	2.5	2.1
	C	30	3.1	-	3.0	2.6
1K	C	35	4.2	4.2	3.5	3.1
	C	40	4.2	4.2	4.0	3.6
	C	45	5.2	5.2	4.5	4.1
	C	50	5.2	5.2	5.0	4.6
	C	15	1.6	-	1.5	1.3
	C	20	2.2	-	2.0	1.6
	C	25	3.2	-	2.5	2.1
	C	30	3.2	-	3.0	2.6
	C	35	4.2	-	3.5	3.1
	C	40	4.2	-	4.0	3.6
2K	C	45	5.2	-	4.5	4.1
	C	50	5.2	-	5.0	4.6
	C	55	6.2	6.2	5.5	5.1
	C	60	6.2	6.2	6.0	5.6
	C	65	7.2	6.7	6.5	6.1
	K	70	7.2	-	7.0	6.6
	K	75	8.2	8.2	7.5	7.1
	K	80	8.2	8.2	8.0	7.6
	K	85	9.2	8.6	8.5	8.1
	C	15	2.2	-	1.5	1.3
	C	20	2.2	-	2.0	1.6
	C	25	3.2	-	2.5	2.1
	C	30	3.2	-	3.0	2.6
	C	35	4.2	-	3.5	3.1
	C	40	4.2	-	4.0	3.6
	C	45	5.2	-	4.5	4.1
	C	50	5.2	-	5.0	4.6
	C	55	6.2	-	5.5	5.1
	C	60	6.2	-	6.0	5.6
	C	65	7.2	-	6.5	6.1
	C	70	7.2	-	7.0	6.6
	C	75	8.2	8.2	7.5	7.1
	C	80	8.2	8.2	8.0	7.6
	C	85	9.2	8.6	8.5	8.1
	K	90	9.2	-	9.0	8.6
	K	95	10.2	10.2	9.5	9.1
	K	10	10.2	10.2	10.0	9.6
	K	11	11.2	10.6	10.5	10.1

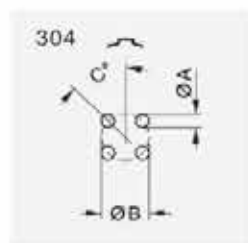
印制电路板钻孔模式 PCB drilling pattern



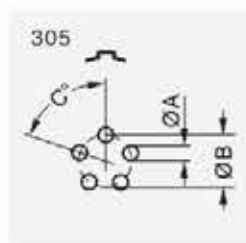
Series 系列	Dimension 尺寸	
	A	B
00	0.6	1.2
0B-0K	0.8	2.2
1B-1K	0.8	2.8
2B-2K	0.8	4.4



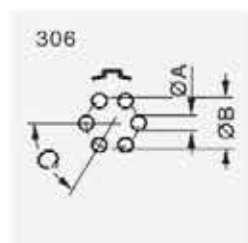
Series 系列	Dimension 尺寸		
	A	B	C
00	0.6	1.35	120°
0B-0K	0.6	2.30	120°
1B-1K	0.8	3.00	120°
2B-2K	0.8	4.60	120°
3B-3K	0.8	5.60	120°



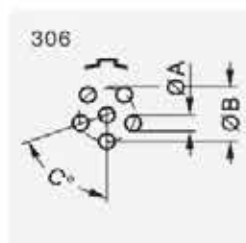
Series 系列	Dimension 尺寸		
	A	B	C
00	0.6	1.6	45°
0B-0K	0.6	2.5	45°
1B-1K	0.8	3.1	45°
2B-2K	0.8	5.0	45°
3B-3K	0.8	6.2	45°



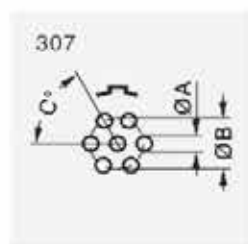
Series 系列	Dimension 尺寸		
	A	B	C
0B-0K	0.6	2.8	72°
1B-1K	0.8	3.4	72°
2B-2K	0.8	5.2	72°
3B-3K	0.8	6.7	72°



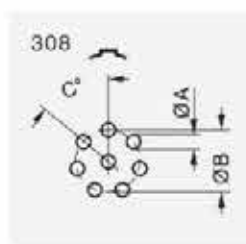
Series 系列	Dimension 尺寸		
	A	B	C
0B-0K	0.6	3.0	60°
1B-1K	0.6	3.7	60°



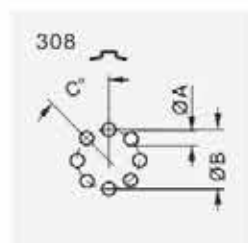
Series 系列	Dimension 尺寸		
	A	B	C
2B-2K	0.8	5.6	72°
3B-3K	0.8	7.1	72°



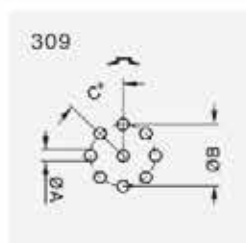
Series 系列	Dimension 尺寸		
	A	B	C
0B-0K	0.6	3.00	60°
1B-1K	0.8	3.70	60°
2B-2K	0.8	5.80	60°
3B-3K	0.8	7.08	60°



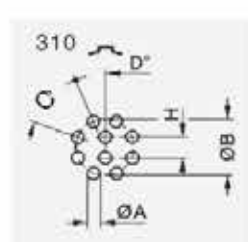
Series 系列	Dimension 尺寸		
	A	B	C
1B-1K	0.8	3.8	51° 26'



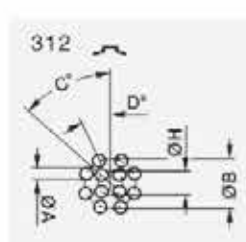
Series 系列	Dimension 尺寸		
	A	B	C
2B-2K	0.8	6.4	45°
3B-3K	0.8	7.5	45°



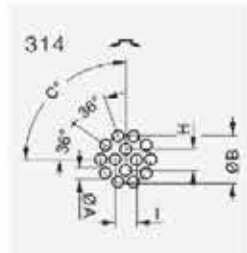
Series 系列	Dimension 尺寸		
	A	B	C
0B-0K	0.6	3.2	45°
3B-3K	0.8	7.5	45°



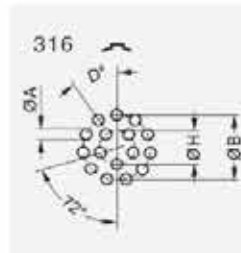
Series 系列	Dimension 尺寸				
	A	B	C	D	H
1B-1K	0.6	3.95	45°	22° 30'	1.40
2B-2K	0.8	6.20	45°	22° 30'	2.15
3B-3K	0.8	7.09	45°	22° 30'	2.80



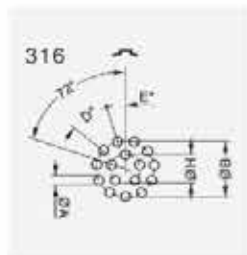
Series 系列	Dimension 尺寸				
	A	B	C	H	I
2B-2K	0.8	6.50	45°	22° 30'	2.80
3B-3K	0.8	8.20	45°	22° 30'	3.40

印制电路板钻孔模式
PCB drilling pattern


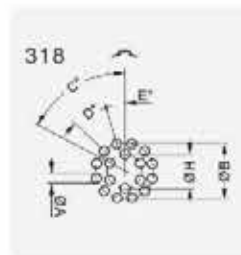
Series 系列	Dimension 尺寸				
A	B	C	H	I	
1B-1K	0.6	4.4	90°	1.90	1.80
2B-2K	0.8	6.5	90°	2.65	2.65
3B-3K	0.8	8.2	90°	3.40	3.40



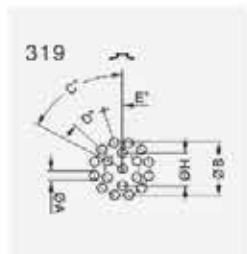
Series 系列	Dimension 尺寸			
A	B	D	H	
1B-1K	0.6	4.4	32° 44'	2.00



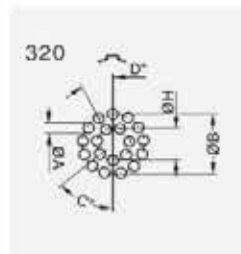
Series 系列	Dimension 尺寸				
A	B	D	E	H	
2B-2K	0.8	6.6	32° 44'	16° 22'	3.10
3B-3K	0.8	8.4	32° 44'	16° 22'	3.86
4B-4K	0.8	10.5	32° 44'	16° 22'	5.00



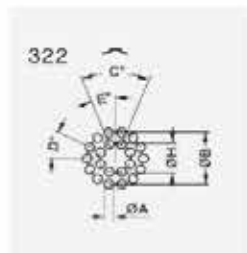
Series 系列	Dimension 尺寸					
	A	B	C	D	E	H
2B-2K	0.8	6.7	60°	30°	15°	3.50
3B-3K	0.8	8.4	60°	30°	15°	4.34



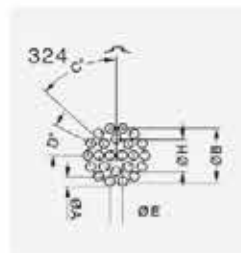
Series 系列	Dimension 尺寸					
	A	B	C	D	E	H
2B-2K	0.8	6.7	60°	30°	15°	3.5



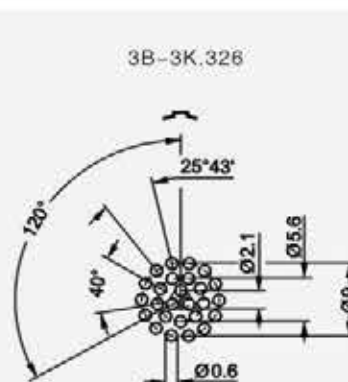
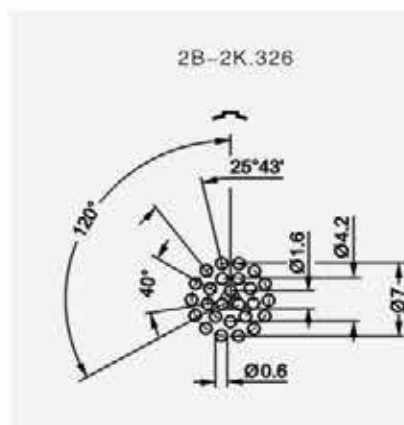
Series 系列	Dimension 尺寸				
A	B	C	D	E	H
3B-3K	0.6	8.62	51° 26'	27° 42'	4.78
4B-4K	0.6	11.00	51° 26'	27° 42'	6.00



Series 系列	Dimension 尺寸					
	A	B	C	D	E	H
3B-3K	0.6	8.8	45°	25° 43'	22° 30'	5



Series 系列	Dimension 尺寸					
	A	B	C	D	E	H
3B-3K	0.6	8.8	45°	25° 43'	1.8	5.30
4B-4K	0.6	11.1	45°	25° 43'	2.2	6.65



S 系列连接器

S series connector

S系列连接器采用安全的推拉自锁系统，此系列连接器的典型特征是多芯连接类型采用雌雄同体的绝缘体结构。即插头和插座的绝缘体结构相同。适用于高级传感器及精密电子仪器设备之间的电器连接，本产品体积小，多芯类型2-10芯，接点密度高。外壳采用铜合金加工，表面镀铬或者镀镍，绝缘体采用耐高温、具有良好绝缘性能的工程塑料注塑成型；护套采用软性工程塑料注塑成型，能很好的保护电缆。

S series connectors using the push - pull self - locking safety system, This series shows the characteristics of the connector is the use of multi - core connection type of the insulator structure hermaphroditism, that is, plugs and sockets of the same structure as the insulator. Applicable to high - level sensors and precision electronic instruments and equipment of the electrical connection between, the products are small, type of multi - core Core2 - 10, high contact density. The use of copper alloy shell processing, surface plating chrome or nickel. Insulators with good insulation properties of engineering plastics injection molding; sheath using soft plastics injection molding, cable can be well protected.



命名 How to order

浮动式插座 PCA - 1S - 306 - C - L - L - 32 - Z

固定式插座 ERA - 1S - 306 - C - L - L

插头 FFA - 1S - 306 - C - L - A - 32 - Z

主型号

系列

接触对数目

外壳材质: 黄铜镀铬

绝缘体L: PA 6.6/PEEK/PPS

针芯类型: A: 插针 L: 插孔

电缆直径

橡胶护套

FREE SOCKET PCA - 1S - 306 - C - L - L - 32 - Z

FIXED SOCKET ERA - 1S - 306 - C - L - L

PLUG FFA - 1S - 306 - C - L - A - 32 - Z

TYPE

SERIES

QTY OF CONTACTS

SHELL MATERIAL: BRASS, CHROME PLATED

INSULATOR: L: PA 6.6/PEEK/PPS

TYPE OF TERMINAL: A: MALE CONTACT
L: FEMALE CONTACT

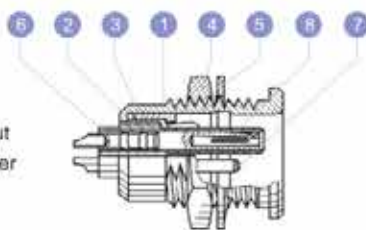
CABLE DIAMETER

RUBBER BEND RELIEF

产品剖面图 Part Section Showing Internal Components

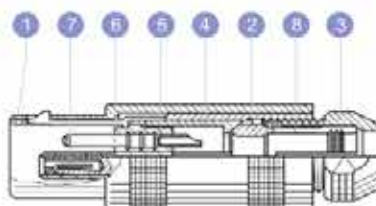
固定式插座 Fixed socket

- ① 外壳 outer shell
- ② 接地环 earthing crown
- ③ 固定环 retaining ring
- ④ 六角螺母 hexagonal nut
- ⑤ 锁定垫圈 locking washer
- ⑥ 绝缘体 insulator
- ⑦ 公针芯 male contact
- ⑧ 母针芯 female contact



直式插头 Straight plug

- ① 外壳 outer shell
- ② 锁定套筒 latch sleeve
- ③ 尾盖 collet nut
- ④ 定位件 centre-piece
- ⑤ 绝缘体 insulator
- ⑥ 公针芯 male contact
- ⑦ 母针芯 female contact
- ⑧ 线夹 collet



S 系列连接器

S series connector

金属外壳型号

Metal housing models

技术特性

机械性能和环境因素

特性	参数	标准
插拔次数	> 5000次	IEC60512-5试验9a
湿度	在60℃时最高达95%	
温度范围	-55℃, +250℃	
抗振动性能	10-2000Hz, 15g	IEC60512-4试验6d
抗冲击性能	100g, 6ms	IEC60512-4试验6c
盐雾腐蚀试验	> 144 h	IEC60512-6试验11f
防护等级 (插合时)	IP50	IEC60529
环境实验	55/175/21	IEC60068-1

电气性能

特性	参数	标准
屏蔽效果	在10MHz下	> 75 dB
	在1GHz下	> 40 dB
		IEC60169-1-3
		IEC60169-1-3

注:

以上数据是对外壳采用黄铜镀层, 绝缘体采用PA66材料的FFA插头和ERA插座进行的各项试验得出。

Technical Characteristics

Mechanical and Climatical

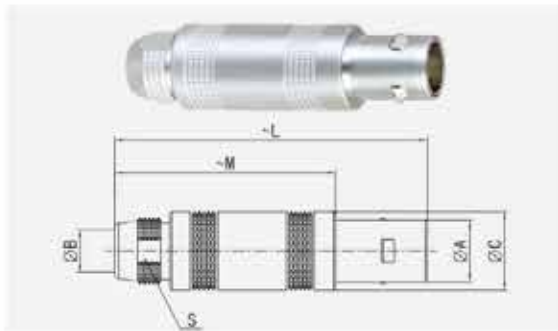
Characteristics	Value	Standard
Endurance	> 5000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60°C	
Temperature range	- 55°C, +250°C	
Resistance to vibration	10-2000 Hz, 15g	IEC 60512-4 test 6d
Shock resistance	100g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 144h	IEC 60512-6 test 11f
Protection index (mated)	IP50	IEC 60529
Climatical category	55/175/21	IEC 60068-1

Electrical

Characteristics	Value	Standard
Efficiency Shielding	at 10 MHz	> 75 dB
	at 1 GHz	> 40 dB
		IEC 60169-1-3
		IEC 60169-1-3

Note:

The various tests have been carried out with FFA and ERA connectorpairs, with chrome-plated brass shell and PA66 insulator.



FFA

直式插头, 电缆线夹

Straight plug, cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conillet hole	
型号 Model	系列 Series	A	C	L	M	S	B	
FFA	0S	7	9.0	34.5	24.5	6.5	3.7	4.2
FFA	1S	9	12.0	42.5	31.5	8.5	3.9	4.2 5.2

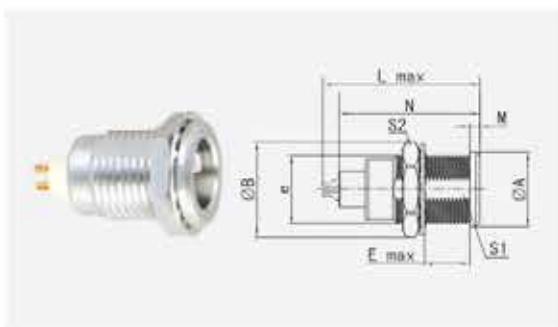


FFA

直式插头, 电缆线夹和带护套型的尾盖¹⁾

Straight plug, cable collet and nut for fitting a bend relief¹⁾

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conillet hole	
型号 Model	系列 Series	A	C	L	M	S	B	
FFA	0S	7	9.0	34.5	24.5	7	3.7 4.2	
FFA	1S	9	12.0	42.5	31.5	9	3.9 4.2 5.2	



ERA

固定式插座, 螺母固定

Fixed socket, nut fixing

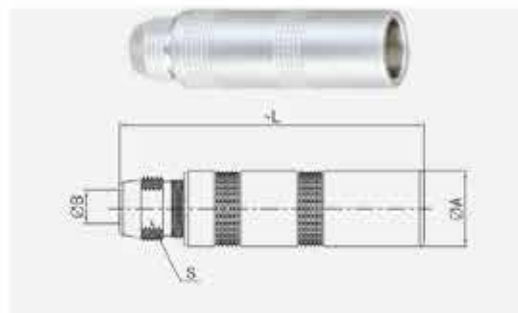
编号 Reference		尺寸 Dimensions(mm)								
型号 Model	系列 Series	A	B	e	E	L	M	N	S1	S2
ERA	0S	10	12.4	M9x0.5	7.0	20	1.2	18	8.2	11
ERA	1S	14	15.8	M12x1.0	7.5	23	1.5	20	10.5	14

S 系列连接器

S series connector

PCA

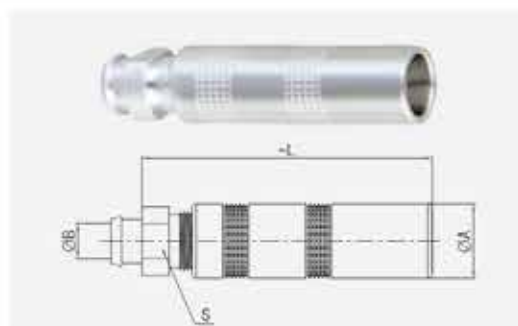
浮动式插座, 电缆线夹
Free socket, cable collet



编号 Reference		尺寸 Dimensions(mm)			线夹孔位 Conduit hole
型号 Model	系列 Series	A	L	S	B
PCA	0S	8.9	33.5	6.5	3.7 4.2
PCA	1S	11.9	40.5	8.5	3.9 4.2 5.2

PCA

浮动式插座, 电缆线夹和带护套型的尾盖
Free socket, cable collet and nut for fitting a bend relief



编号 Reference		尺寸 Dimensions(mm)			线夹孔位 Conduit hole
型号 Model	系列 Series	A	L	S	B
PCA	0S	8.9	33.5	7	3.7 4.2
PCA	1S	11.9	40.5	9	3.9 4.2 5.2

单芯 焊接型母针芯 压接型公针芯

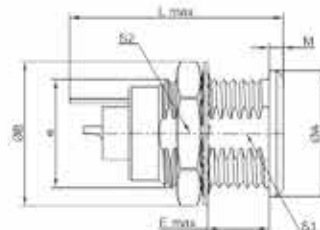


系列 Series	0S	1S
芯数 No. of contacts	1	2
接触体直径 (mm) Solder inter diameter (mm)	0.9	0.7
接触电阻 (mΩ) Contact resistance (mΩ)	6	7.5
工作电流 (A) Working Current (A)	10	7
测试电压 (V) Test Voltage (V)	1000	875
工作电压 (V) Working Voltage (V)	500	400

ERN

固定式插座, 螺母固定, 带接地脚

编号 Reference	系列 Series	A	B	C	E	L	H	S1	S2
ERN	0S	10	12.4	10±0.2	1.2	19.1	1.2	8.2	10
ERN	1S	16	15.8	12±0.2	1.5	25.4	1.5	10.5	14

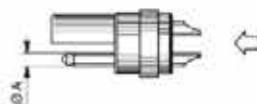


针芯配置 (S系列) Insert configuration(S series)

多芯
Multipole

焊接型公针芯
Male solder contacts

焊接型母针芯
Female solder contacts



系列 Series	0S					1S				
芯数 NO. of contacts	1	2	3	4	5	6	7	8	9	10
接触体直径 (mm) Solder inter diameter (mm)	0.9	0.7	0.8	1.3	0.9	0.9	0.9	0.7	0.7	0.7
接触电阻 (mΩ) Contact resistance (mΩ)	6	7.5	7.5	5	6	6	6	7.5	7.5	7.5
工作电流 (A) Working Current (A)	10	10	7	14	10	10	10	7	7	7
测试电压 (V) Test Voltage (V)	1000	875	875	1250	875	875	750	750	75	75
工作电压 (V) Working Voltage (V)	500	400	300	500	450	400	400	400	400	300

C 系列连接器

C series connector

C 系列连接器采用安全的分瓣式推拉自锁系统，高密度安装，插座为真空密封结构，适用于要求密封的设备。防水等级为IP50-IP68，6-8半锁定弹片锁定。键槽防止转动。芯数为2芯到30芯。

C series connector metal shell, push-pull self-locking security system, high-density installation, outlet for the vacuum seal structure for sealing the equipment requirements. Waterproof rating of IP50-IP68, 6 to 8 semi lock shrapnel. Qty of Contacts is 2 pin to 30 pin.



命名 How to order

固定式插座 EGG - 3C - 306 - C - L - L

插头 FGG - 3C - 306 - C - L - A - C - 52 - Z

主型号 _____

系列 _____

接触对数 _____

外壳材质：黄铜镀铬 _____

绝缘体 PA 66/PEEK/PPS _____

针芯类型：A：插针 L：插孔 _____

线夹类型（同3B系列） _____

电缆直径 _____

变量参数 _____

FIXED SOCKET EGG - 3C - 306 - C - L - L

PLUG FGG - 3C - 306 - C - L - A - C - 52 - Z

TYPE _____

SERIES _____

QTY OF CONTACTS _____

SHELL MATERIAL: BRASS, CHROME PLATED _____

INSULATOR: PA 66/PEEK/PPS _____

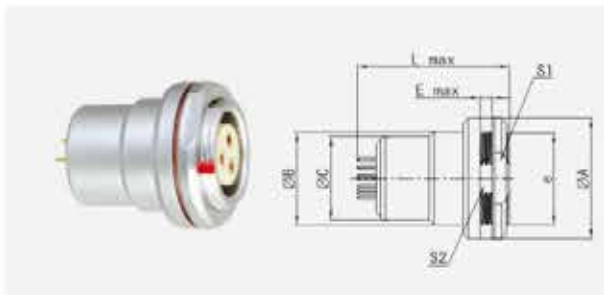
TYPE OF TERMINAL: A: MALE CONTACT L: FEMALE CONTACT _____

COLLET TYPE (same with 3B series) _____

CABLE DIAMETER _____

VARIANT (P13) _____

(同页面11的3B孔位) (Same as Page11 3B insert arrangement)



EGG

固定式插座，螺母固定
Fixed socket, nut fixing

编号 Reference		尺寸 Dimensions(mm)							
型号 Model	系列 Series	A	B	C	ø	E	L	S1	S2
EGG	3C	26	20	18	M20x1	2.5	31.5	18	23.5



FGG

直式插头
Straight plug

编号 Reference		尺寸 Dimensions(mm)						线夹孔位 Conlet hole	
型号 Model	系列 Series	A	C	M	L	S1	S2	B	
FGG	3C	14.9	18	45	60	16	15	3 4 5 6 7 8 9 10 11 12	13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

J 系列连接器

J series connector

J 系列连接器采用安全的推拉自锁系统，适用于高级传感器及精密电子仪器设备之间的电器连接，本产品体积小，多芯类型2-12芯，接点密度高；多种键位选择。外壳采用铜合金加工，表面镀铬或者镀镍，插针插孔彩用，表面镀金；绝缘体采用耐高温、具有良好绝缘性能的工程塑料注塑成型；护套采用软性工程塑料注塑成型，能很好的保护电缆。

J series connectors security push-pull self-locking system, For advanced sensors and precision electronic equipment between the electrical connections. This product is small, multi-core type 2-12 core, the contact density; a variety of key location choice. Shell copper alloy, chrome or nickel plated, Pin jack copper alloy processing, surface plating; Insulator with high temperature, good insulation properties of engineering plastics injection molding; Jacket with soft plastic injection molding, can be well protected cable.



命名 How to order

EGG - 3J - M - 4S

外壳类型:
FGG 插头
EGG 固定式插座
PHG 活动式插座
壳体号: 1J, 2J, 3J

端子类型: M: 插针 F: 插孔

接触对数: 1J: 2 3 4 5 6 7
2J: 7 10 12
3J: 4

EGG - 3J - M - 4S

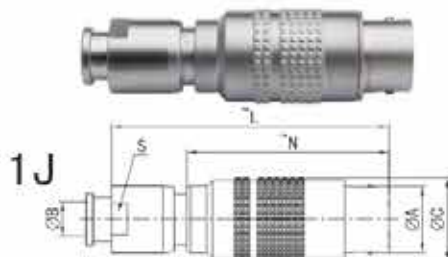
SHELL TYPE:
FGG PLUG
EGG FIEXED SOCKET
PHG FREE SOCKET
SHELL SIZE: 1J, 2J, 3J

TYPE OF TERMINAL: M: male contact
F: female contact

QTY OF CONTACTS: 1J: 2 3 4 5 6 7
2J: 7 10 12
3J: 4

使用条件及主要性能

- 环境温度: -55~+85℃
- 相对湿度: 温度为+40℃时达93%
- 绝缘电阻: $\geq 1000M\Omega$
- 试验电压: 1000V
- 额定电流A: 2.5A
- 额定电压: 250V
- 振动: 振频0-500HZ, 加速度达100m/s²
- 碰撞: 加速度达250m/s²
- 机械寿命: 800次



Service environmental condition

- Ambient temperature: -55℃~+85℃
- Relative humidity: when the temperature is +40℃ 93%
- Insulation resistance: gerater than or equal 1000MΩ
- Test Voltage: 1000V
- Rated Current A: 2.5A
- Rated Voltage: 250V
- Vibration: Vibration frequency of ~500HZ, acceleration up to 100m/s²
- Collision: acceleration up to 250m/s²
- Mechanical Life: 800 times

PHG

活动式插座, 电缆线夹.
Free Socket, cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conllet hole
型号 Model	系列 Series	A	C	N	L	S	B
PHG	1J	9	11.5	24.5	35	8	5

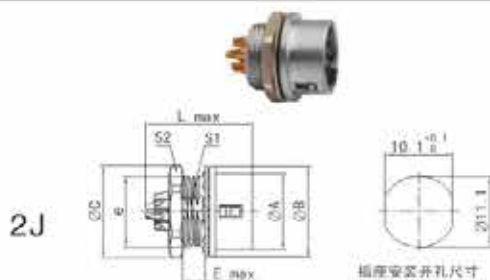
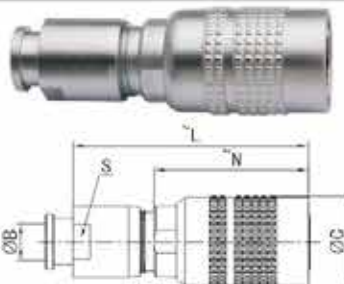
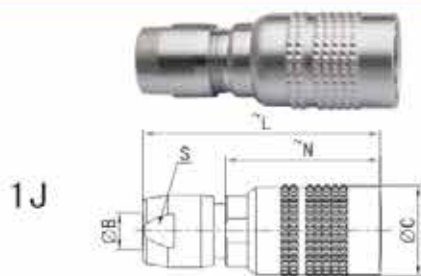
PHG

活动式插座, 电缆线夹和带护套型的尾盖.
Free Socket, cable collet and nut for fitting a bend relief

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conllet hole
型号 Model	系列 Series	A	C	N	L	S	B
PHG	1J	9	11.5	24.5	35	8	5

J 系列连接器

J series connector



FGG

直式插头, 电缆线夹.
Straight plug, cable collet

编号 Reference		尺寸 Dimensions(mm)				线夹孔位 Conllet hole
型号 Model	系列 Series	C	N	L	S	B
FGG	1J	11.5	19	28.5	8	5

FGG

直式插头, 电缆线夹和带护套型的尾盖.
Straight plug, cable collet and nut for fitting a bend relief

编号 Reference		尺寸 Dimensions(mm)				线夹孔位 Conllet hole
型号 Model	系列 Series	C	N	L	S	B
FGG	1J	11.5	19	28.5	8	5

EGG

固定式插座, 螺母固定
Fixed Socket, nut fixing

编号 Reference		尺寸 Dimensions(mm)							
型号 Model	系列 Series	A	B	C	e	E	L	S1	S2
EGG	1J	11	9	11	M8 X 0.5	2.5	14.5	7.5	9.5

EGG

固定式插座, 螺母固定
Fixed Socket, nut fixing

编号 Reference		尺寸 Dimensions(mm)							
型号 Model	系列 Series	A	B	C	e	E	L	S1	S2
EGG	2J	11.8	14	14.5	M11 X 0.75	2.5	16.2	10	13

PHG

活动式插座, 电缆线夹和带护套型的尾盖
Free Socket, cable collet and nut for fitting a bend relief

编号 Reference		尺寸 Dimensions(mm)						线夹孔位 Conllet hole
型号 Model	系列 Series	A	C	N	L	S1	S2	B
FGG	2J	11.8	14	22.7	33	9.5	9.5	6

FGG

直式插头, 电缆线夹.
Straight plug, cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conllet hole
型号 Model	系列 Series	A	C	N	L	S	B
FGG	2J	15	10.5	17	32.5	9.5	7max

J 系列连接器

J series connector



FGG

直式插头,电缆线夹和带护套型的尾盖.
Straight plug,cable collet and nut for fitting a bend relief

编号 Reference		尺寸 Dimensions(mm)				线夹孔位 Conllet hole
型号 Model	系列 Series	A	N	L	S	B
FGG	2J	11.5	17	30	95	6



EGG

固定式插座,螺母固定
Fixed Socket ,nut fixing

编号 Reference		尺寸 Dimensions(mm)						
型号 Model	系列 Series	A	B	C	e	E	L	S1
EGG	3J	11	8.8	11	M8 x 0.5	3	14.5	10



FGG

直式插头,电缆线夹.
Straight plug,cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conllet hole
型号 Model	系列 Series	A	C	N	L	S	B
FGG	3J	11.5	8.5	17	26.5	7.5	5max



FGG

直式插头,电缆线夹.
Straight plug,cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conllet hole
型号 Model	系列 Series	A	N	L	S1	S2	B
FGG	4J	13	20	30	9.2	9	5



FGG

直式插头,电缆线夹.
Straight plug,cable collet

编号 Reference		尺寸 Dimensions(mm)							
型号 Model	系列 Series	A	B	C	e	E	L	S1	S2
FGG	4J	11	12.5	13.5	M9x0.5	3.5	16.8	8.3	12

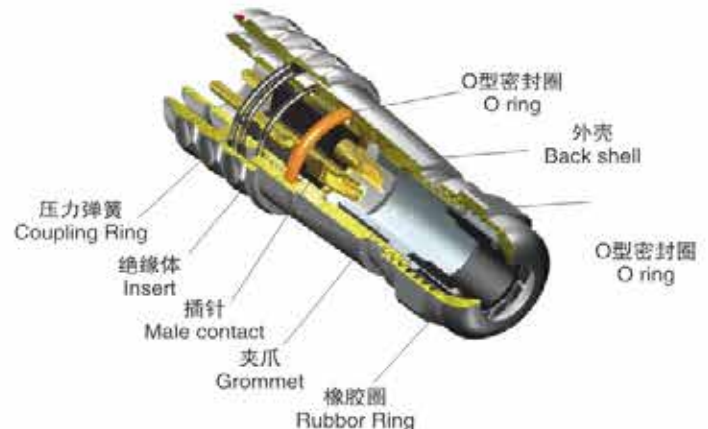
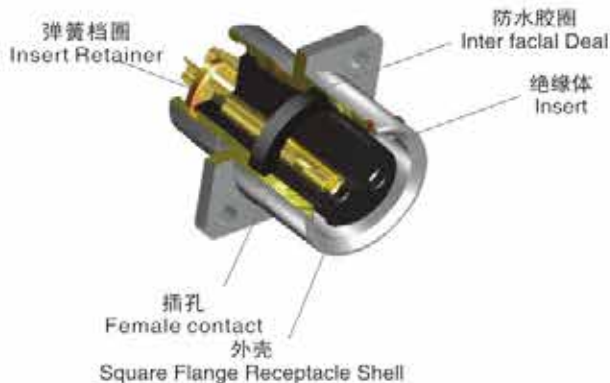
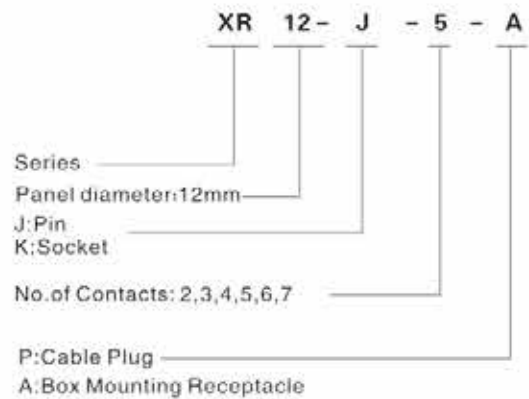
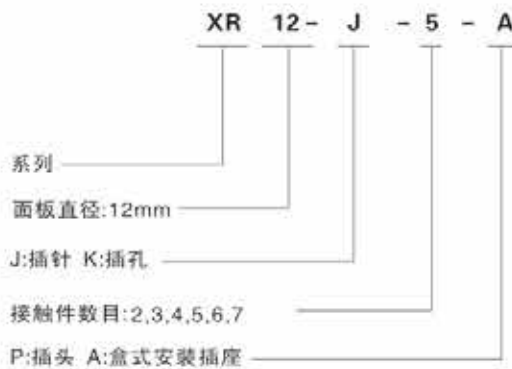
XR12 系列防水连接器 | XR12 series waterproof connector

XR12系列连接器的外壳配合尺寸为12mm，接触对数量有2、3、4、5、6、7芯五种，可直接安装在面板上使用，连接器外壳为黄铜，外形小巧美观，连接形式为推入式钢球锁定，插拔迅速方便，本产品适用于各种仪器仪表，电子设备等交直流电路的连接。

XR12 series connector mounted size is 12mm, the number of contacts have 2, 3, 4, 5, 6, 7pin, Can be directly installed on the panel used for the brass connector shell, a small beautiful appearance to connect the form of push-in locking ball, push-pull quickly and easily, this product is applicable to a variety of instruments and meters, electronic devices, such as AC-DC link circuit.

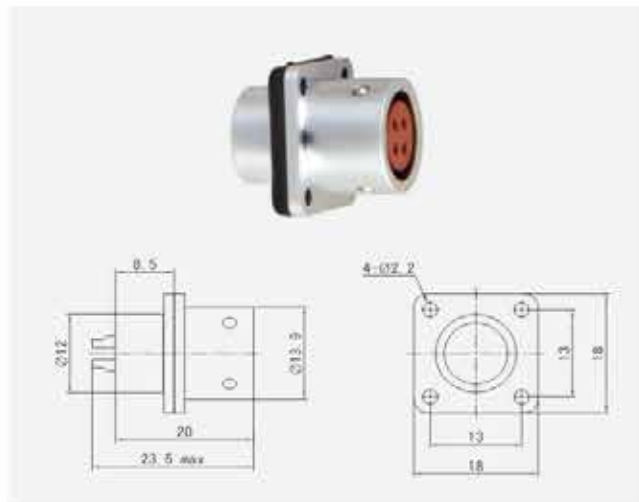


命名 How to order



XR12 系列防水连接器 | XR12 series waterproof connector

盒式安装插座 Box mounting Receptacle



插头 Cable Plug



使用条件及主要性能

- 相对湿度：温度为40℃时达93%
- 温度范围：-55℃~+85℃
- 抗振性能：10-500HZ，加速度达100m/s²
- 绝缘电阻：大于等于1000兆欧
- 机械寿命：800次

Service environmental condition

- Relative Humidity: 40℃ when the temperature is over 93%
- Temperature range: -55℃~+85℃
- Anti-vibration performance: 10-500HZ, acceleration of 100m/s²
- Insulation Resistance: rather than of equal to 1000mΩ
- Mechanical life-span: 800 times

触点数目 No. of contacts	2	3	4	5	6	7
额定电流/电压 Rated Current/voltage	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V
工作电压(AC.V) Operatin Limit voltage	200	200	200	200	200	200
耐电压(AC.V) Withstanding voltage	1500	1500	1500	1500	1500	1500
绝缘阻抗(MΩ)DV500V Insulation resistance	2000	2000	2000	2000	2000	2000
接触阻抗(mΩ)DC 1A Contact resistance	3	3	3	3	3	3
接触直径 Contact Diameter	1.5	1.5	1.5	1.5	1.5	1.5

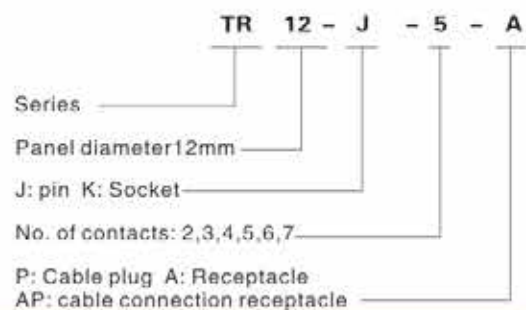
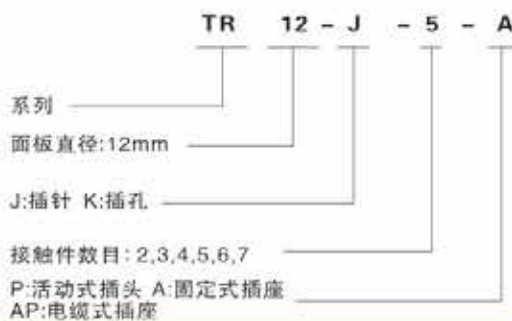
TR12 系列防水连接器 TR12 series waterproof connector

TR12系列防水连接器外壳配合尺寸为12mm, 接触对数量有2、3、4、5、6、7芯六种, 可直接安装在面板上使用, 连接器外壳为铝合金, 外形小巧美观, 重量轻, 连接方式采用安全可靠的螺纹连接, 电连接可靠, 使用方便。本产品适用于各种仪器仪表, 电子设备等交直流电路的连接。



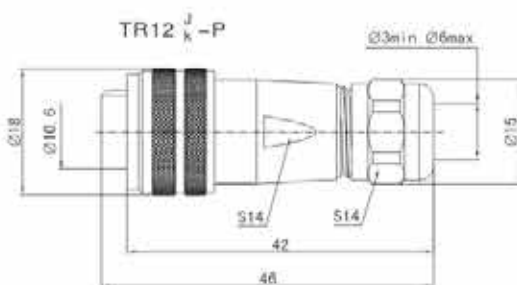
TR12 series waterproof connectors mounting size is 12mm, the number of contact have 2, 3, 4, 5, 6, 7 pins, can be directly installed on the panel, connectors housing is using aluminum alloy, small beautiful appearance, light weight, Connection using reliable threading coupling, easy to use. This product is suitable for all kinds of instruments and meters, electronic devices, connected to the AC or DC circuit.

命名 How to order



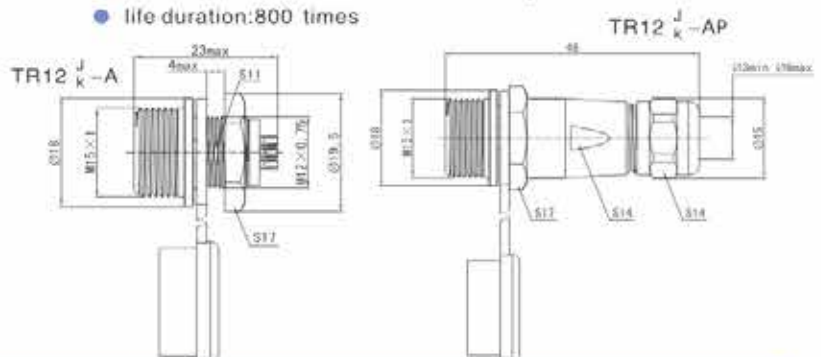
使用条件及主要性能

- 相对湿度：温度为40℃时达93%
- 温度范围：-55℃~+85℃
- 抗振性能：10~500HZ，加速度达100m/s²
- 绝缘电阻：大于等于1000兆欧
- 机械寿命：800次



Service environmental condition

- Relative Humidity: 40°C when the temperature is over 93%
- Temperature range: -55°C~+85°C
- Anti-vibration performance: 10~500HZ, acceleration of 100m/s²
- Insulation Resistance : rather than of equal to 1000MΩ
- life duration: 800 times



	2	3	4	5	6	7
触点数目 No. of contacts						
额定电流/电压 Rated Current/voltage	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V
工作电压(AC.V) Operatin Limit voltage	200	200	200	200	200	200
耐电压(AC.V) Withstanding voltage	1500	1500	1500	1500	1500	1500
绝缘电阻(MΩ)DV500V Insulation resistance	2000	2000	2000	2000	2000	2000
接触电阻(mΩ)DC 1A Contact resistance	3	3	3	3	3	3
接触直径mm Contact Diameter	1.5	1.5	1.5	1.5	1.5	1.5

PCN 系列防水连接器

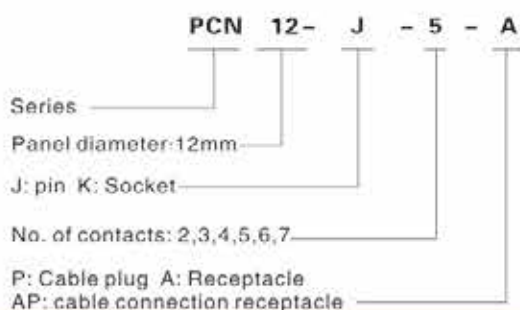
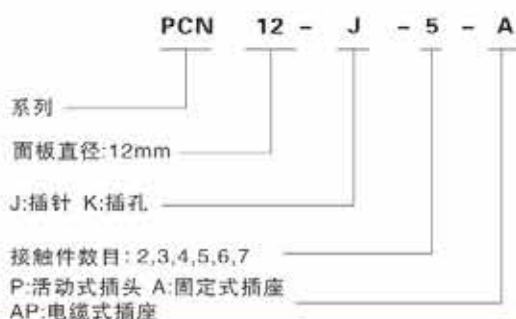
PCN series waterproof connector

PCN12系列连接器外壳配合尺寸为12mm,接触对数量有2、3、4、5、6、7芯六种,可直接安装在面板上使用,连接器外壳为铝合金,外形小巧美观,重量轻,连接器形式为螺纹连接,电连接可靠,使用方便。本产品适用于各种仪器仪表,电子设备等交直流电路的连接。

PCN series connector installation size is 12mm, contact number from 2 to 7pins, can be directly installed on the panel, connector housing is made of aluminum alloy. Small and beautiful appearance, light weight, the electric connection is reliable; easy to use. This product is suitable for all kinds of instruments and meters, electronic equipment connected to the AC or DC circuit.

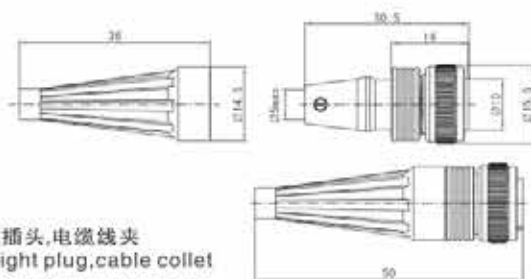


命名 How to order



使用条件及主要性能

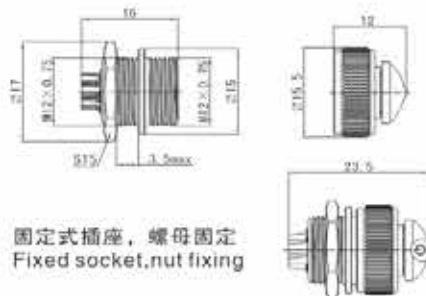
- 相对湿度：温度为40℃时达93%
- 温度范围：-55℃~+85℃
- 抗振性能：10~500HZ，加速度达100m/s²
- 绝缘电阻：大于等于1000兆欧
- 机械寿命：800次



直式插头,电缆线夹
Straight plug, cable collet

Service environmental condition

- Relative Humidity: 40°C when the temperature is over 93%
- Temperature range: -55°C~+85°C
- Anti-vibration performance: 10~500HZ, acceleration of 100m/s²
- Insulation Resistance : rather than of equal to 1000mΩ
- life duration: 800 times



固定式插座，螺母固定
Fixed socket, nut fixing

触点数目 Pin	2	3	4	5	6	7
额定电流/电压 Rated Current/voltage	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V
工作电压(AC.V) Operatin Limit voltage	200	200	200	200	200	200
耐电压(AC.V) Withstanding voltage	1500	1500	1500	1500	1500	1500
绝缘电阻(MQ)DV500V Insulation resistance	2000	2000	2000	2000	2000	2000
接触电阻(mQ)DC 1A Contact resistance	3	3	3	3	3	3
接触直径mm Contact Diameter	1.5	1.5	1.5	1.5	1.5	1.5

XQ12 系列连接器 XQ12 series connector

XQ12系列防水连接器可用于高级传感器及精密电子仪器设备之间的电路连接。本产品体积小，接点密度高，连接采用推拉式自锁结构，使用方便，性能可靠。它具有原XS12连接器的性能和精美，并且内设多种防水装置，将被广泛应用于各种电子电气设备，和潜水监视器等防水与不防水间的连接。

XQ series waterproof connectors could be used in advanced sensor and exact instrument. It own small volume, high contact density, connection by push and pull automatic locking. It's reliable and easy to operate. It has all characteristics that XS12 owns, and widely used in various of electronic equipments, waterproof and un-waterproof monitor under water and etc.



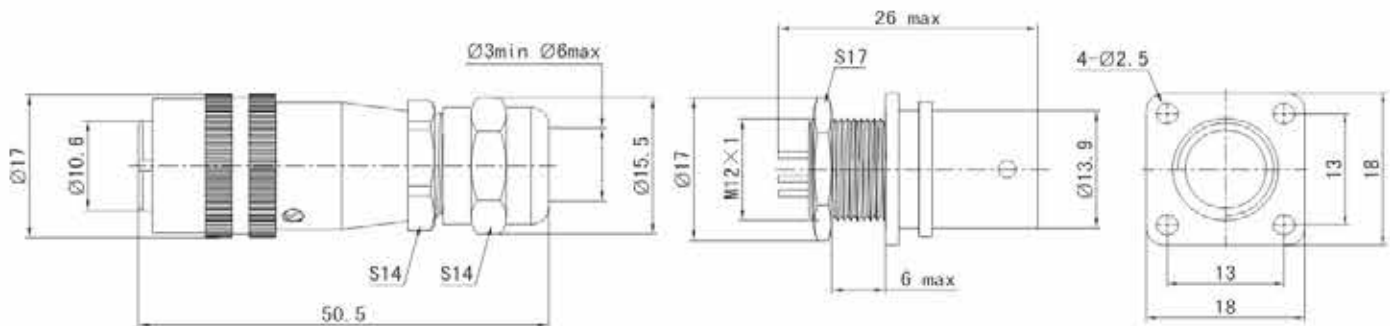
命名 How to order

XQ 12 - J - 5 - P

系列
面板直径: 12mm
J: 插针 K: 插孔
接触件数目: 2, 3, 4, 5, 6, 7
P: 活动式插头 A: 固定式插座
AP: 电缆式插座

XQ 12 - J - 5 - P

Series
Panel diameter: 12mm
J: pin K: Socket
No. of contacts: 2, 3, 4, 5, 6, 7
P: Cable plug A: Receptacle
AP: cable connection receptacle



	2	3	4	5	6	7
接触点数目 Number of contact						
额定电流/电压 Rated current/voltage	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V	5A-125V
工作电压 (AC.V) Working voltage	200	200	200	200	200	200
耐电压 (AC.V) Withstanding voltage	1500	1500	1500	1500	1500	1500
绝缘阻抗 (MΩ) DV500V Insulated resistance	2000	2000	2000	2000	2000	2000
接触阻抗 (mΩ) DC1A Contact resistance	3	3	3	3	3	3
接触直径 Diameter of contact	1.5	1.5	1.5	1.5	1.5	1.5

SF 系列连接器 SF series connector

SF系列连接器的外壳配合尺寸为8mm、9mm、10mm、12mm,接触对数量有2、3、4、5、6、7芯六种,可直接安装在面板上使用,连接器外壳为黄铜,外形小巧美观,连接形式为推入式钢球锁定,插拔迅速方便,本产品适用于各种仪器仪表,电子设备等交直流电路的连接。

SF series connector shell with the size of 8mm、9mm、10mm、12mm,the number of contacts have 2、3、4、5、6、7can be directly installed on the panel used for the brass connector shell,a small beautiful appearance to connect the form of push-in locking ball, plug quickly and easily,This product is applicable to a variety of instruments and meters,electronic devices,such as AC-DC link circuit.

命名 How to order

外壳类型:
FGG插头
EGG固定式插座
PHG活动式插座

壳体号:
SF8 SF9 SF10 SF12 SF16

端子类型:
M-插针, F-插孔

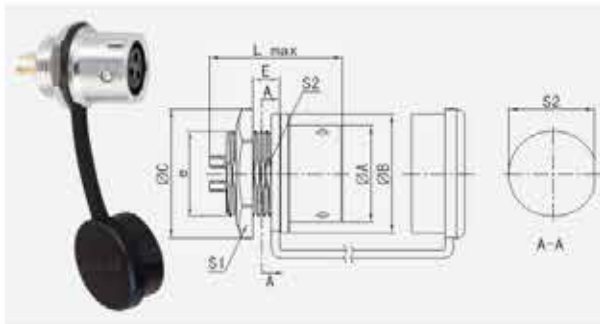
接触对数:
SF8: 2、3、4 SF12: 2、3、4、5
SF9: 2、3、4、5 SF16: 2、3、4、5、6、7
SF10: 2、3、4、5

SHELL TYPE:
FGG PLUG
EGG FIXED SOCKET
PHG FREE SOCKET

SHELL SIZE:
SF8 SF9 SF10 SF12 SF16

TYPE OF TERMINAL:
M: male contact
F: female contact

QTY OF CONTACTS:
SF8: 2、3、4 SF10: 2、3、4、5
SF9: 2、3、4、5 SF12: 2、3、4、5、6、7
SF16: 2、3、4、5、6、7



EGG

固定式插座,螺母固定
Fixed Socket ,nut fixing

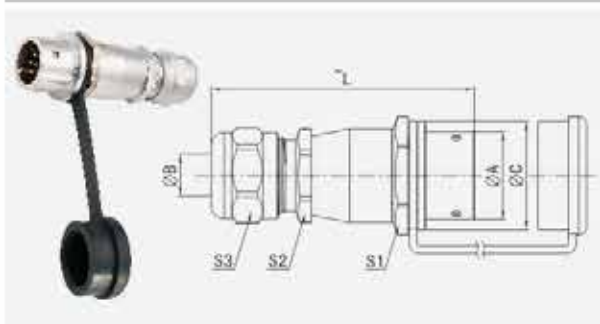
编号 Reference	尺寸 Dimensions(mm)								
型号 Model	系列 Series	A	B	C	e	E	L	S1	S2
EGG	SF8	9.7	11.0	13.5	M8x0.5	3.0	20.0	10.0	-
EGG	SF9	11.3	13.0	13.5	M9x0.75	3.0	20.0	12.0	-
EGG	SF10	11.3	13.0	13.5	M10x0.75	3.0	20.0	12.0	-
EGG	SF12	13.9	18.0	19	M12x0.75	4.0	22.5	17.0	11.3
EGG	SF16	17.9	22	24	M16x1	4	24	21	15.3



FGG

直式插头,电缆线夹
Straight plug,cable collet

编号 Reference		尺寸 Dimensions(mm)					线夹孔位 Conlet hole
型号 Model	系列 Series	A	C	L	S1	S2	B
FGG	SF8	7.1	12	33.0	10.0	10.0	5 max
FGG	SF9	8.2	13	36.0	10.0	10.0	5 max
FGG	SF10	8.3	13	36.0	10.0	10.0	5 max
FGG	SF12	10.6	17	50	14.0	14.0	6.5max
FGG	SF16	14.6	21	50	17.5	17.0	6、7、8、9、10



PHG

活动式插座 Free Socket

编号 Reference		尺寸 Dimensions(mm)						C 标准孔位 Standard hole
型号 Model	系列 Series	A	C	L	S1	S2	S3	B
PHG	SF8	9.7	11	33.0	10.0	10.0	10.0	6 max
PHG	SF9	11.3	13	36.0	10.0	10.0	10.0	6 max
PHG	SF10	11.3	13	36.0	10.0	10.0	10.0	6 max
PHG	SF12	13.9	18	48.0	17.0	14.0	14.0	7 max
PHG	SF16	17.9	22	50	21	17	17.5	6、7、8、9、10

FUS 系列塑料防水连接器 FUS series plastics waterproof connector

主称代号 FUS -1 DQ -2

壳体型号:

1, 2

连接器种类

(详见图纸)

接触件数量目:

1号壳体芯数: 2, 3, 4, 5, 6, 7, 9

2号壳体芯数: 2, 3, 4, 5, 6, 8, 10, 12, 15

Basic series FUS -1 DQ -2

Shell size:

Size 1, Size 2

Connector type:

(See the drawing)

No. of contacts:

Size 1: 2, 3, 4, 5, 6, 7, 9 pins

Size 2: 2, 3, 4, 5, 6, 8, 10, 12, 15 pins



使用条件及主要性能

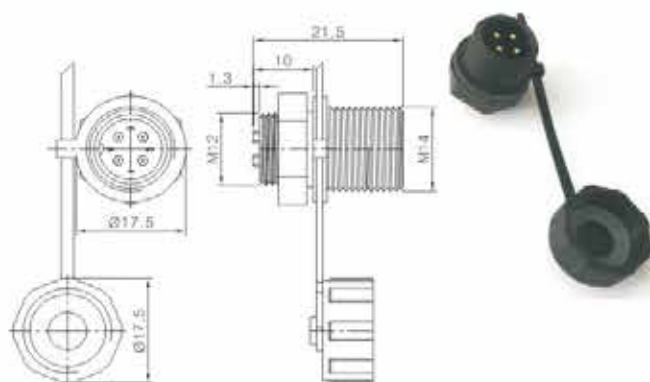
- 工作温度: $-45^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- 相对湿度: 温度 $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 时达 95%
- 防水等级: IP68 级
- 盐雾: 48h
- 壳体材料: 尼龙
- 接触件材料: 黄铜镀金
- 密封圈材料: 橡胶
- ROHS 环保材料 CE 认证
- 机械寿命: 500 次

Service environmental condition

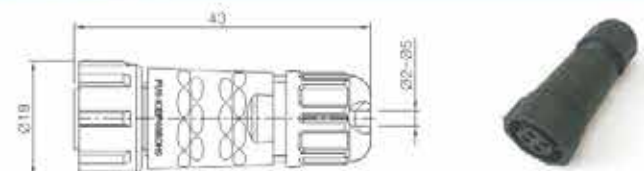
- Working temperature: $-45^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- Relative humidity: Temperature $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ at 95%
- Waterproof degree: IP68
- Salt spray: $\geq 48\text{h}$
- Housing material: Flame retardant nylon
- Contact: Gold plated over copper alloy
- Sealing material: Rubber
- RoHS material CE Recognized
- Endurance: 500 cycles

插针直径 Contacts diameter	耐压 (常温) (V) Withstand voltage Normal temperature	耐压 (潮湿) Withstand voltage (V)	额定电流 Rated current (A)	接触电阻 (mΩ) Contacts resistance	绝缘电阻 (mΩ) Insulation resistance
Ø 1.0	2500	1000	5	5	500
Ø 1.5	2500	1000	10	4	500
Ø 2.0	2500	1000	15	3	500

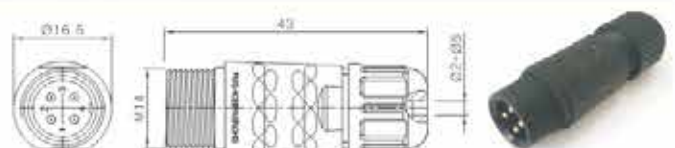
FUS-1-Z



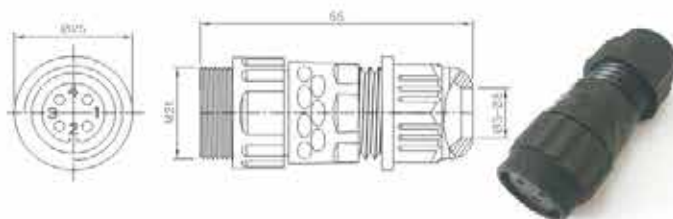
FUS-1-TQ



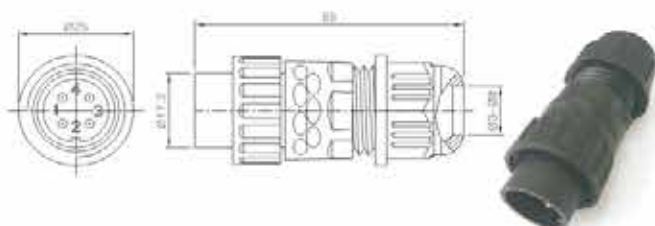
FUS-1-DQ



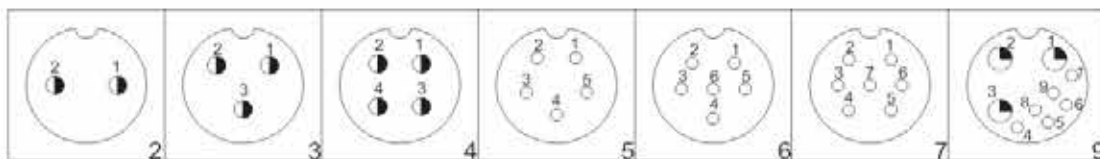
FUS-2-DQ



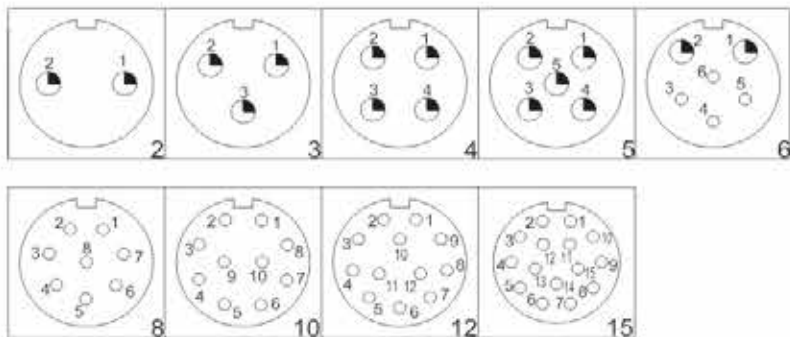
FUS-2-TQ



FUS-1 Insert arrangement



FUS-2 Insert arrangement



<http://www.dafalinker.com>

MS 系列连接器

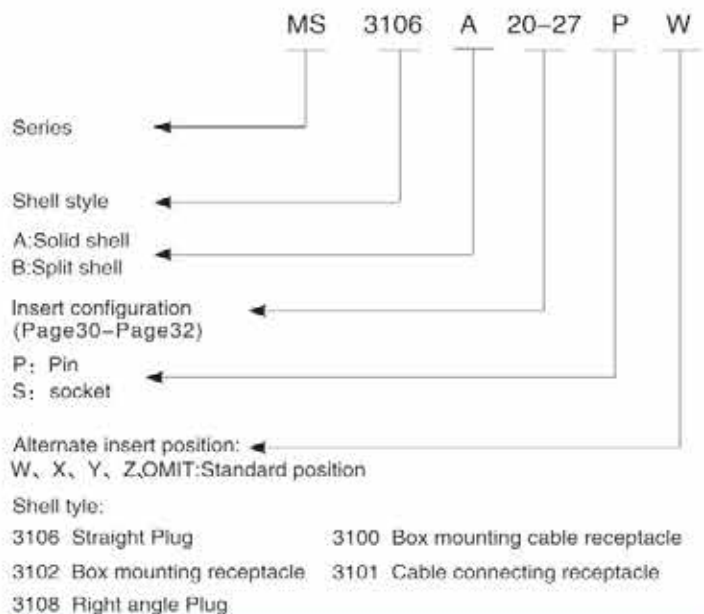
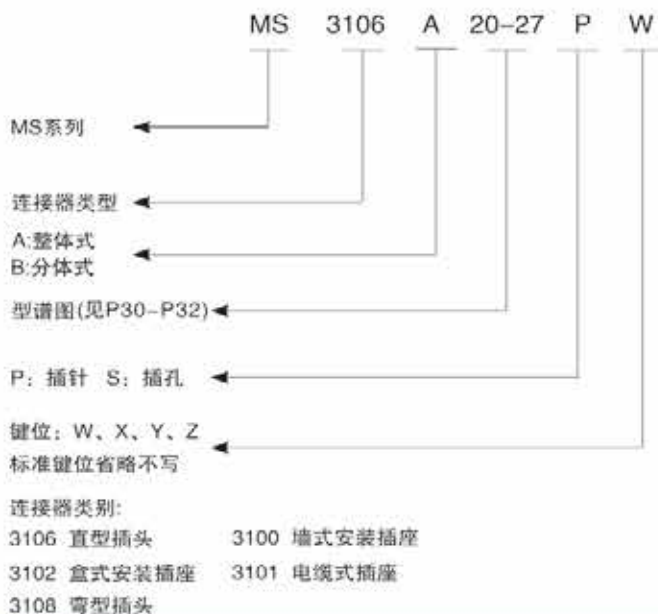
MS series connector



MS系列连接器是参照美国MIL-C-5015G标准研制生产，可靠性好，互换性能强，通用国外同类产品。该系列圆形连接器特别设计用于军事用途，广泛应用于工业行业。大量的规格使产品满足不同客户的需求。MS系列连接器是各种不同应用领域的最好的解决方案。

MS series connectors are designed according to MIL-C-5015G specification and comply with all its requirements of performance, reliability and interchangeability with products of other manufacturers. These circular connectors, specially designed for military applications, nowadays are widely used also in the industry. A wide range of accessories allows to use these connectors in any environment, while a high number of contact arrangements covers every need of the customer. MS series connectors is the best solution for a high number of applications in various areas.

命名 How to order



插头 Cable Plug



插座 Receptacle



MS 系列连接器

MS series connector

材料及表面处理 Material and surface treatment

外壳: 压铸铝
表面处理: 军绿色电泳
绝缘体: PPS塑料/胶木/橡胶
材料: 针孔黄铜表面镀银
插拔次数: 500
工作温度: -55℃/+125℃
绝缘电阻: 5000MΩ/5000DC
工作电压: 取决于孔组排列
接线方式: 焊接式

Housing: Aluminium Alloy
Plating: Olive drab electroplating
Insulator: PPS plastic/bakelate/rubber
Contacts material: Silver plated over brass
Mating cycle: 500
Operating temperature: -55℃/+125℃
Insulation Resistance: 5000MΩ at 5000DC
Working Voltage: Depends on Insert Configuration
Wire Termination: Solder type



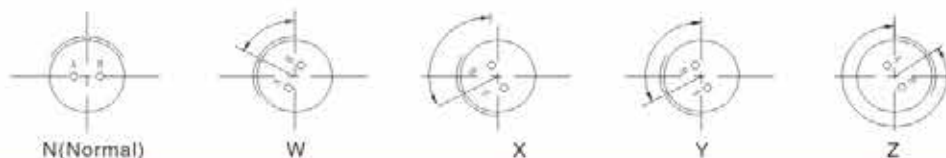
使用条件 Service environmental condition

绝缘电阻 Insulation	环境温度 Ambient temperature	寿命 Life	介质耐压 Withstanding voltage	工作电压 Operating voltage
≥5000MΩ	55℃-125℃	≥500次 ≥500 times	2KV	交流 500V 直流 700V AC 500V DC 700V

额定电流及插拔力 Working current and contact force

接触体代号 Contact size	焊线直径 Joining of diameter(mm)	额定电流 Rated current(A)	工作导线规格 Wire size A.W.G	接触体插拔力 Contact size and insertion and withdraw force		
				最大 Maximum	平均 Average	最小 Minimum
16#	φ 1.6	13	22#-16#	1.36	0.95	0.11
12#	φ 2.4	23	14#-12#	2.26	1.58	0.22
8#	φ 3.6	46	10#-8#	4.53	3.17	0.34
4#	φ 5.7	80	6#-4#	6.80	4.76	0.45
0#	φ 9.1	150	2#-0#	9.97	6.35	0.90

变换键位: Alternate insert Position



型普图: 从插针方向看 Insert configuration: View From pin mating side

	10L-3	10S-2	10SL-4						
10SL									
	A 3-16#	A 1-16# (1-16S)	A 2-16#						
12									
	A 1-12#	A 2-16#	A 1-16#						
14S									
	仪器 4-16#	仪器 5-16#	仅 6-16#	A 3-16#	A 2-16#	A 1-8#	仅 7-16#		
16S									
	A 7-16#	A 1-16#	A 2-16#	A 3-16#	A 3-16#	A 5-16#			

MS 型谱图 Insert Configuration

型普图：从插针方向看 Insert cofiguration:View From pin mating side



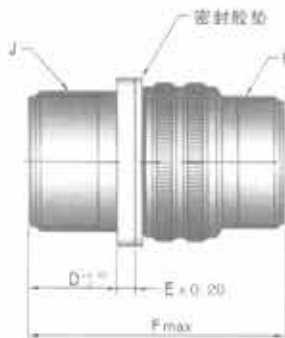
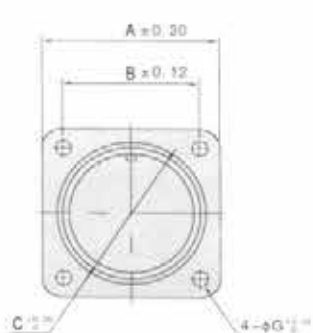
16	16-2		E	1-12 ²
	16-7		A	2-16 ¹ , 1-8 ²
18	18-1		A(B,C,F,G) 仪器(其余全部)	15-16 ²
	18-3		D	2-12 ²
20	20-2		D	1-0 ²
	20-3		D	3-12 ²
22	22-2		D	3-8 ²
	22-4		A	2-12 ² 2-8 ²
24	24-2		D	7-12 ²
	24-4		D	3-16 ² , 1-0 ²

MS 型谱图 Insert Configuration

型谱图：从插针方向看 Insert configuration: View From pin mating side

28	28-1 D(A,B,F,G) A(其余全部) 6-12' 3-8'	28-2 D 12-16', 2-12'	28-3 E 3-8'	28-4 D(G,P,S) D(其余全部) 7-16' 2-12'	28-5 A(其余全部) 2-16' 1-12', 2-4'	28-7 A 2-4'	28-8 E(I,M) D(B) A(其余全部) 10-16' 2-12'	28-9 D 6-16', 6-12'
	28-10 D(G,S) D(其余全部) 3-12' 2-8', 3-4'	28-11 A 18-16' 4-12'	28-12 A 26-16'	28-15 A 35-16'	28-16 A 20-16'	28-17 B(P) D(M,N,P) A(其余全部) 15-16'	28-18 C(M) A(A,B) 仪器(C,D,E,F) D(其余全部) 12-16'	28-19 B(H,M) D(A,B) A(其余全部) 6-16' 4-12'
	28-20 A 4-16', 10-12'	28-21 A 37-16'	28-22 D 3-16', 3-4'	28-23 仪器 3-8'(屏蔽) 21-16'				
32	32-1 3-12', 2-0#	32-6 16-16', 3-8' 2-12', 2-4'	32-7 28-16', 7-12'	32-8 24-16', 8-12'	32-9 12-16', 2-4'	32-15 8-12', 2-0'	32-17 4-4'	

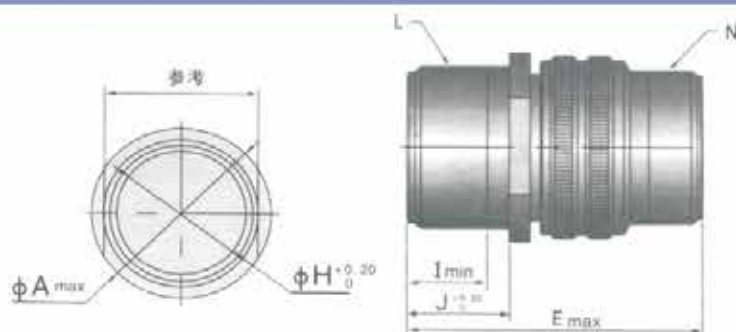
墙式安装插座 Box mounting cable receptacle



壳体号 Shell size	A	B	±C	D	E	F	±G	J	K
10S	25.40	18.26	11.6	14.3	3.00	38.88	3.05	$\frac{5}{16}$ -24 UNEF-2A	$\frac{1}{2}$ -28UNEF-2A
10SL	25.40	18.26	11.6	14.3	3.00	38.88	3.05	$\frac{5}{16}$ -24 UNEF-2A	$\frac{5}{16}$ -24UNEF-2A
12S	27.79	20.62	14.4	14.3	3.00	42.87	3.05	$\frac{3}{4}$ -20 UNEF-2A	$\frac{5}{16}$ -24UNEF-2A
12	27.79	20.62	14.4	19.05	3.00	52.37	3.05	$\frac{3}{4}$ -20 UNEF-2A	$\frac{5}{16}$ -24UNEF-2A
14S	30.18	23.01	17.45	14.3	3.00	42.87	3.05	$\frac{1}{2}$ -20 UNEF-2A	$\frac{3}{4}$ -20UNEF-2A
14	30.18	23.01	17.45	19.05	3.00	52.37	3.05	$\frac{7}{8}$ -20 UNEF-2A	$\frac{3}{4}$ -20UNEF-2A
16S	32.54	24.61	20.75	14.3	3.00	42.87	3.05	1-20 UNEF-2A	$\frac{7}{8}$ -20UNEF-2A
16	32.54	24.61	20.75	19.05	3.00	52.37	3.05	1-20 UNEF-2A	$\frac{7}{8}$ -20UNEF-2A
18	34.93	26.97	23.9	19.05	4.00	52.37	3.05	$1\frac{1}{8}$ -18 UNEF-2A	1-20 UNEF-2A
20	38.10	29.36	26.95	19.05	4.00	55.57	3.05	$1\frac{1}{4}$ -18 UNEF-2A	$1\frac{3}{16}$ -18 UNEF-2A
22	41.28	31.75	30.15	19.05	4.00	55.57	3.05	$1\frac{3}{8}$ -18 UNEF-2A	$1\frac{3}{16}$ -18 UNEF-2A
24	44.45	34.93	33.3	20.63	4.00	58.72	3.73	$1\frac{1}{2}$ -18 UNEF-2A	$1\frac{7}{16}$ -18 UNEF-2A
28	50.80	39.67	38.9	20.63	4.00	58.72	3.73	$1\frac{3}{4}$ -18 UNEF-2A	$1\frac{7}{16}$ -18 UNEF-2A
32	57.15	44.45	45.12	22.23	4.00	61.92	4.39	2-18UNS	$1\frac{3}{4}$ -18UNS

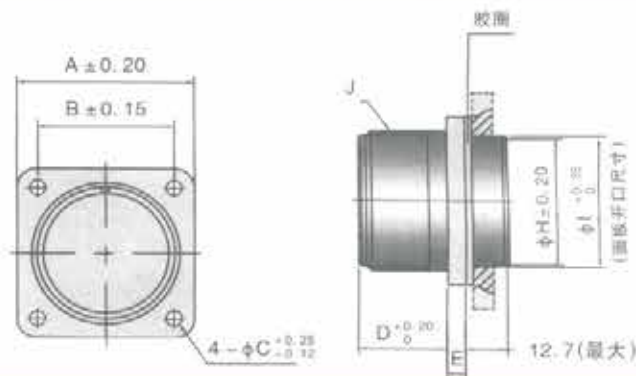
MS 系列连接器 | MS series connector

电缆式插座 cable connecting receptacle



壳体号 Shell size	A	E	ϕH	I	J	L 螺纹 Screwthread	N 螺纹 Screwthread
10S	24.61	38.88	11.6	9.53	14.3	$\frac{3}{16}$ -24 UNEF-2A	$\frac{1}{2}$ -28UNEF-2A
10SL	24.61	38.88	11.6	9.53	14.3	$\frac{5}{16}$ -24 UNEF-2A	$\frac{5}{16}$ -24UNEF-2A
12S	26.97	42.87	14.4	9.53	14.3	$\frac{7}{16}$ -20 UNEF-2A	$\frac{3}{8}$ -24UNEF-2A
12	26.97	52.37	14.4	15.88	19.05	$\frac{3}{4}$ -20 UNEF-2A	$\frac{3}{8}$ -24UNEF-2A
14S	29.36	42.87	17.45	9.53	14.3	$\frac{1}{2}$ -20 UNEF-2A	$\frac{3}{8}$ -20UNEF-2A
14	29.36	52.37	17.45	15.88	19.05	$\frac{7}{16}$ -20 UNEF-2A	$\frac{3}{4}$ -20UNEF-2A
16S	31.75	42.87	20.75	9.53	14.3	1-20 UNEF-2A	$\frac{7}{8}$ -20UNEF-2A
16	31.75	52.37	20.75	15.88	19.05	1-20 UNEF-2A	$\frac{7}{8}$ -20UNEF-2A
18	34.13	52.37	23.9	15.88	19.05	1 $\frac{1}{8}$ -18 UNEF-2A	1-20 UNEF-2A
20	37.31	55.57	26.95	15.88	19.05	1 $\frac{1}{4}$ -18 UNEF-2A	1 $\frac{1}{16}$ -18 UNEF-2A
22	40.48	55.57	30.15	15.88	19.05	1 $\frac{3}{8}$ -18 UNEF-2A	1 $\frac{3}{16}$ -18 UNEF-2A
24	43.66	58.72	33.3	15.88	20.63	1 $\frac{1}{2}$ -18 UNEF-2A	1 $\frac{7}{16}$ -18 UNEF-2A
28	50.01	58.72	38.9	15.88	20.63	1 $\frac{3}{4}$ -18 UNEF-2A	1 $\frac{7}{16}$ -18 UNEF-2A
32	56.36	61.92	45.12	15.88	20.63	2-18UNS	1 $\frac{3}{4}$ -18UNS

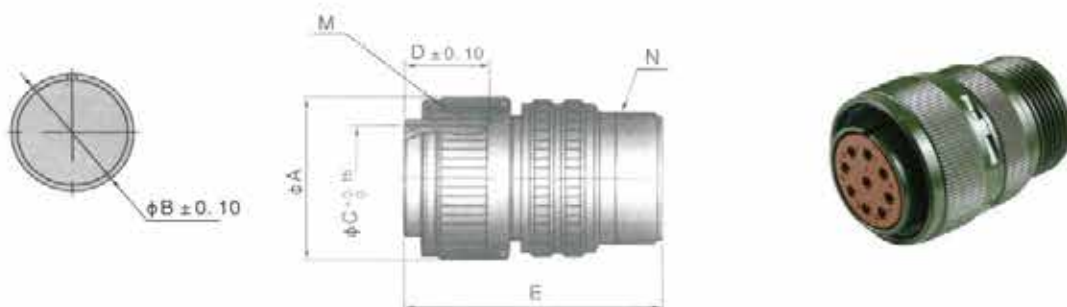
盒式安装插座 Box mounting receptacle



壳体号 Shell size	A	B	ϕC	D	E	ϕH (HMS3102)	ϕI (HMS3102)	J 螺纹 Screwthread
10	25.40	18.3	3.5	14.3	3.00	15.6	16	$\frac{3}{16}$ -24 UNEF-2A
14	30.20	23	3.5	14.3	3.00	19.5	20	$\frac{7}{16}$ -20 UNEF-2A
16	32.50	24.6	3.5	14.3	3.00	23.6	24	1-20 UNEF-2A
18	35	27	3.5	19	4.00	25.1	25.5	1 $\frac{1}{8}$ -18 UNEF-2A
20	38	29.4	3.5	19	4.00	28.8	29.2	1 $\frac{1}{4}$ -18 UNEF-2A
22	41	31.8	3.5	19	4.00	32.7	33.2	1 $\frac{3}{8}$ -18 UNEF-2A
24	44	35	4	21	4.00	35	35.5	1 $\frac{1}{2}$ -18 UNEF-2A
28	50.80	39.7	4	21	4.00	41	41.5	1 $\frac{3}{4}$ -18 UNS-2A
32	57	44.5	4.5	24	4.00	51.3	51.8	2-18UNS

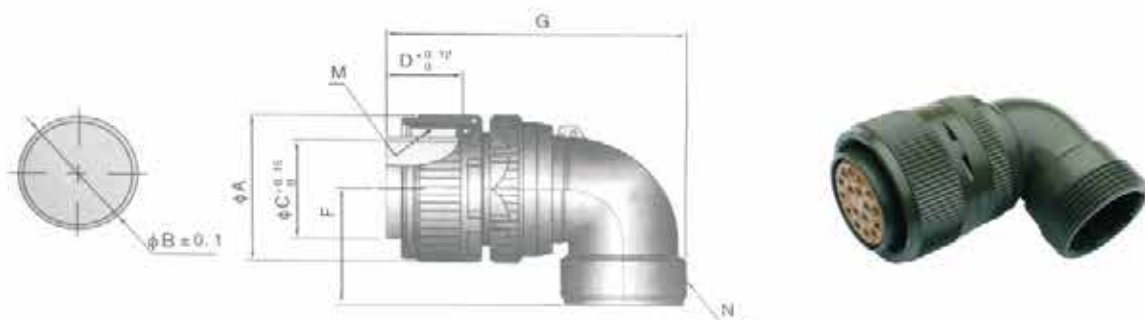
MS 系列连接器 MS series connector

直型插头 Straight plug



壳体号 Shell size	A	B	C	D	E	M 螺纹 Screwthread	N 螺纹 Screwthread
10	24	11.2	8.2	13.5	39	$\frac{5}{16}$ -24 UNEF-2B	$\frac{1}{2}$ -28UNEF-2A
14	28	17	13.4	13.5	43	$\frac{7}{16}$ -20 UNEF-2B	$\frac{3}{4}$ -20UNEF-2A
16	31	20.5	16.6	13.5	43	1-20 UNEF-2B	$\frac{7}{8}$ -20UNEF-2A
18	33.2	23.5	19.7	18.2	52.5	1 $\frac{1}{8}$ -18 UNEF-2B	1-20 UNEF-2A
20	35.6	26.5	23.5	18.2	55.5	1 $\frac{1}{4}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
22	39	29.6	26	18.2	55.5	1 $\frac{3}{8}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
24	43.5	33	29.2	18.2	58.7	1 $\frac{1}{2}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
28	48	38	34.8	18.2	58.7	1 $\frac{3}{4}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
32	55.5	45	41.2	18.2	61.9	2-18UNS	1 $\frac{3}{4}$ -18UNS

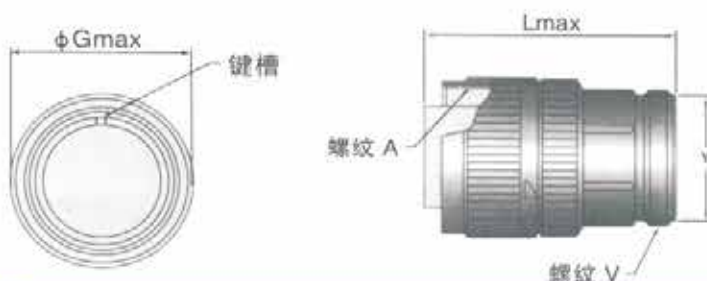
弯型插头 (整体式) Angle plug (solid type)



壳体号 Shell size	A	B	C	D	F	G	J	K
10S	24.61	11.17	8.21	13.49	25.40	44.45	$\frac{5}{16}$ -24 UNEF-2B	$\frac{1}{2}$ -28UNEF-2A
10SL	24.61	11.33	9.6	13.49	25.40	46.02	$\frac{5}{16}$ -24 UNEF-2B	$\frac{5}{16}$ -24UNEF-2A
12S	26.97	14.10	11.43	13.49	26.97	50.80	$\frac{3}{4}$ -20 UNEF-2B	$\frac{5}{8}$ -24UNEF-2A
12	26.97	14.10	11.43	18.26	26.97	57.15	$\frac{3}{4}$ -20 UNEF-2B	$\frac{5}{8}$ -24UNEF-2A
14S	29.36	17.15	13.37	13.49	28.57	53.97	$\frac{7}{8}$ -20 UNEF-2B	$\frac{3}{4}$ -20UNEF-2A
14	29.36	17.15	13.37	18.26	28.57	58.72	$\frac{7}{8}$ -20 UNEF-2B	$\frac{3}{4}$ -20UNEF-2A
16S	31.75	20.45	16.54	13.49	30.17	60.32	1-20 UNEF-2B	$\frac{7}{8}$ -20UNEF-2A
16	31.75	20.45	16.54	18.26	30.17	65.07	1-20 UNEF-2B	$\frac{7}{8}$ -20UNEF-2A
18	34.13	23.62	19.72	18.26	33.32	68.27	1 $\frac{1}{8}$ -18 UNEF-2B	1-20 UNEF-2A
20	37.31	26.67	23.68	18.26	34.92	76.98	1 $\frac{1}{4}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
22	40.48	29.85	26.07	18.26	34.92	86.51	1 $\frac{3}{8}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
24	43.66	33.02	29.24	18.26	39.67	86.51	1 $\frac{1}{2}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
28	50.01	38.61	34.80	18.26	39.67	93.98	1 $\frac{3}{4}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
32	62.71	50.29	46.69	18.26	52.37	100.02	2 1/4-16UNS	1 $\frac{3}{4}$ -18UNS

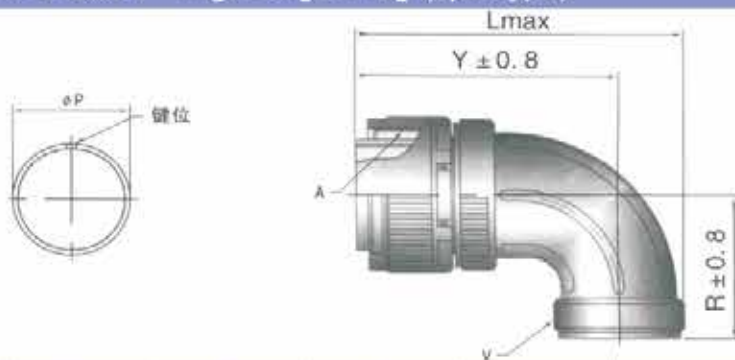
MS 系列连接器 MS series connector

直式插头 (分体式) Straight plug (split type)



壳体号 Shell size	G	L	A	V
10S	24.61	38.88	$\frac{5}{16}$ -24 UNEF-2B	$\frac{1}{2}$ -28 UNEF-2A
10L	24.61	38.88	$\frac{5}{16}$ -24 UNEF-2B	$\frac{3}{8}$ -24 UNEF-2A
12S	26.97	42.87	$\frac{3}{4}$ -20 UNEF-2B	$\frac{5}{8}$ -24 UNEF-2A
12	26.97	52.37	$\frac{3}{4}$ -20 UNEF-2B	$\frac{5}{8}$ -24 UNEF-2A
14S	29.36	42.87	$\frac{7}{8}$ -20 UNEF-2B	$\frac{3}{4}$ -20 UNEF-2A
14	29.36	52.37	$\frac{7}{8}$ -20 UNEF-2B	$\frac{3}{4}$ -20 UNEF-2A
16S	31.75	42.87	1-20 UNEF-2B	$\frac{7}{8}$ -20 UNEF-2A
16	31.75	52.37	1-20 UNEF-2B	$\frac{7}{8}$ -20 UNEF-2A
18	34.13	52.37	1 $\frac{1}{8}$ -18 UNEF-2B	1-20 UNEF-2A
20	37.31	55.57	1 $\frac{1}{4}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
22	40.48	55.57	1 $\frac{3}{8}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
24	43.66	58.72	1 $\frac{1}{2}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
28	50.01	58.72	1 $\frac{3}{4}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
32			2-18UNS-2B	1 $\frac{3}{4}$ -18UNS-2A

弯式插头 (分体式) Right angle Plug (split type)



壳体号 Shell size	L	P	R	Y	A 螺纹 Searwthread	V 螺纹 Searwthread
10S	44.45	24.61	25.4	38.1	$\frac{5}{16}$ -24 UNEF-2B	$\frac{1}{2}$ -28UNEF-2A
10SL	46.02	24.61	25.4	38.1	$\frac{5}{16}$ -24 UNEF-2B	$\frac{5}{8}$ -24UNEF-2A
12S	50.08	26.97	26.97	42.87	$\frac{3}{4}$ -20 UNEF-2B	$\frac{5}{8}$ -24UNEF-2A
12	57.15	26.97	26.97	49.22	$\frac{3}{4}$ -20 UNEF-2B	$\frac{7}{8}$ -24UNEF-2A
14S	53.97	29.36	28.57	44.45	$\frac{7}{8}$ -20 UNEF-2B	$\frac{3}{4}$ -20UNEF-2A
14	58.72	29.36	28.57	49.22	$\frac{7}{8}$ -20 UNEF-2B	$\frac{3}{4}$ -20UNEF-2A
16S	60.32	31.75	30.17	49.22	1-20 UNEF-2B	$\frac{7}{8}$ -20UNEF-2A
16	65.07	31.75	30.17	53.97	1-20 UNEF-2B	$\frac{7}{8}$ -20UNEF-2A
18	68.3	33.2	33.3	52	1 $\frac{1}{8}$ -18 UNEF-2B	1-20 UNEF-2A
20	77	36	35	57	1 $\frac{1}{4}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
22	86.5	39	35	62	1 $\frac{3}{8}$ -18 UNEF-2B	1 $\frac{3}{16}$ -18 UNEF-2A
24	86.5	43.5	40	69	1 $\frac{1}{2}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
28	93.98	50.01	39.67	68.27	1 $\frac{3}{4}$ -18 UNEF-2B	1 $\frac{7}{16}$ -18 UNEF-2A
32	100	55.5	47.6	73	2-18UNS	1 $\frac{3}{4}$ -18UNS

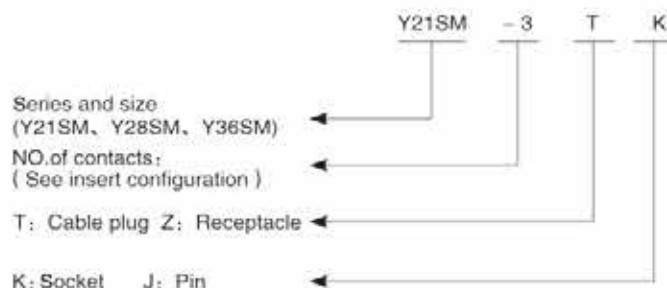
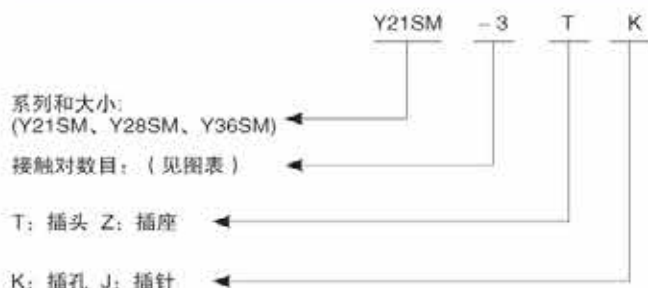
YSM 系列连接器 YSM series connector

YSM系列产品是老式Y系列连接器的换代产品。YSM系列产品有三种安装尺寸分别为21mm,28mm,36mm。不同的尺寸有不同的芯数。具有体积小、重量轻、使用方便耐插拔、导电性能佳、密封性能好、防水性能强的特点。广泛应用于电气设备、仪表、仪器之间的线路连接。

YSM series connector it's the ideal product of a new generation to replace the old Y series connectors. The size of YSM series include 21mm, 28mm, 36mm, different size has different poles, YSM series circular connectors are widely used in line connections between electrical equipment, various instruments and meters. These connectors have the features of small volume, light weight, convenient application, high durability of plug and unplug, high conductivity and high dielectric strength good sealing and water proof performance.



命名 How to order



材料:

- 外壳: 压铸铝、表面黑色氧化
- 绝缘体: 硅橡胶
- 针孔: 黄铜 镀金
- 护套: 硅橡胶

Material:

- Body: Casting aluminium, alloy/Black oxidation
- Insulator: Silicone rubber
- Contact: Gold plated over brass
- Strain relief: Silicone rubber

主要特征:

- 三大型别, 23种孔位排列
- 卡口式快速连接
- 五键定位, 可实现盲插
- 插头、插座即可装针也可装孔
- 端接形式焊接

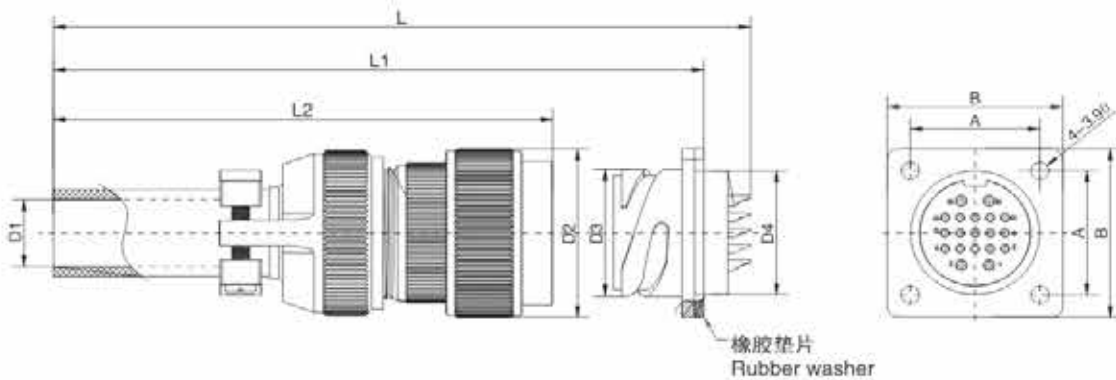
Features:

- 3 types and 23 kinds of insert configuration
- Quick bayonet coupling
- Five keys slot for Blind mating
- Both pin and socket could be inserted in plug or receptacle
- Soldering termination

接触电阻及额定电流

接触件规格 Contacts diameter MM	接触电阻 Contacts resistance mΩ	额定电流 Rated current A
Φ1.0	≤5	5
Φ1.5	≤3	10
Φ2.5	≤1	25

YSM 系列连接器 YSM series connector



型号	安装尺寸			外型尺寸					
	A	B	D4	D1	D2	D3	L	L1	L2
Y21SM	23	31	21	8.5	31.5	24.7	107	97	90
Y28SM	28	38	27.8	15	38	28.6	126.5	116	108
Y36SM	36	45.9	36	19	46.2	36.5	123.5	113.9	105.5

型普图 Insert Configuration

芯数 No. of pin	2芯	3芯	4芯	5芯	7芯	10芯	14芯	16芯
型号 Type	Y21SM	Y21SM	Y21SM	Y21SM	Y21SM	Y21SM	Y21SM	Y21SM
芯数构成 Contact diameter and quantity	$\phi 2.5 \times 2$	$\phi 2.5 \times 3$	$\phi 2.5 \times 4$	$\phi 2.5 \times 5$	$\phi 1.5 \times 7$	$\phi 1 \times 6$ $\phi 1.5 \times 4$	$\phi 1 \times 14$	$\phi 1 \times 14$ $\phi 1.5 \times 2$
芯数 No. of pin	4芯	7芯	8芯	12芯	19芯	24芯	32芯	37芯
型号 Type	Y28SM	Y28SM	Y28SM	Y28SM	Y28SM	Y28SM	Y28SM	Y28SM
芯数构成 Contact diameter and quantity	$\phi 3.5 \times 4$	$\phi 2.5 \times 7$	$\phi 2.5 \times 8$	$\phi 1.5 \times 12$	$\phi 1 \times 15$ $\phi 1.5 \times 4$	$\phi 1 \times 20$ $\phi 1.5 \times 4$	$\phi 1.0 \times 32$	$\phi 1.0 \times 37$
芯数 No. of pin	4芯	14芯	16芯	19芯	36芯	50芯	65芯	
型号 Type	Y36SM	Y36SM	Y36SM	Y36SM	Y36SM	Y36SM	Y36SM	
芯数构成 Contact diameter and quantity	$\phi 5.5 \times 4$	$\phi 1.5 \times 8$ $\phi 2.5 \times 6$	$\phi 1.5 \times 16$	$\phi 1.5 \times 19$	$\phi 1 \times 32$ $\phi 1.5 \times 4$	$\phi 1 \times 46$ $\phi 1.5 \times 4$	$\phi 1.0 \times 65$	

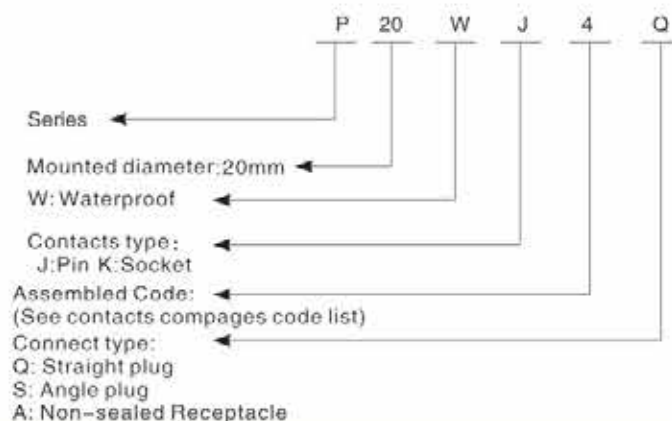
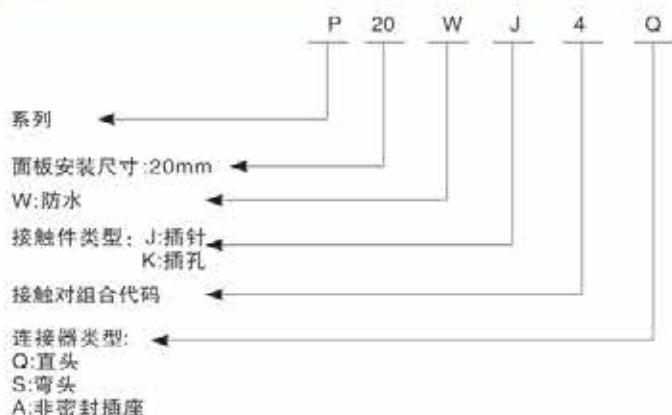
P20W 防水连接器 P20W waterproof connector

P20W系列防水连接器，插座与面板配合尺寸为20mm，芯数有2,3,4,5四种，电流25A，接线类型为焊接式，此款产品装上合适的电缆线后防护等级可达IP67。

P20W waterproof connector panel mounting size is 20mm, 2,3,4,5 pins are available, working current 25A, solder termination, which can be used underwater when fixed appropriate cable, protection degree IP67.



命名 How to order



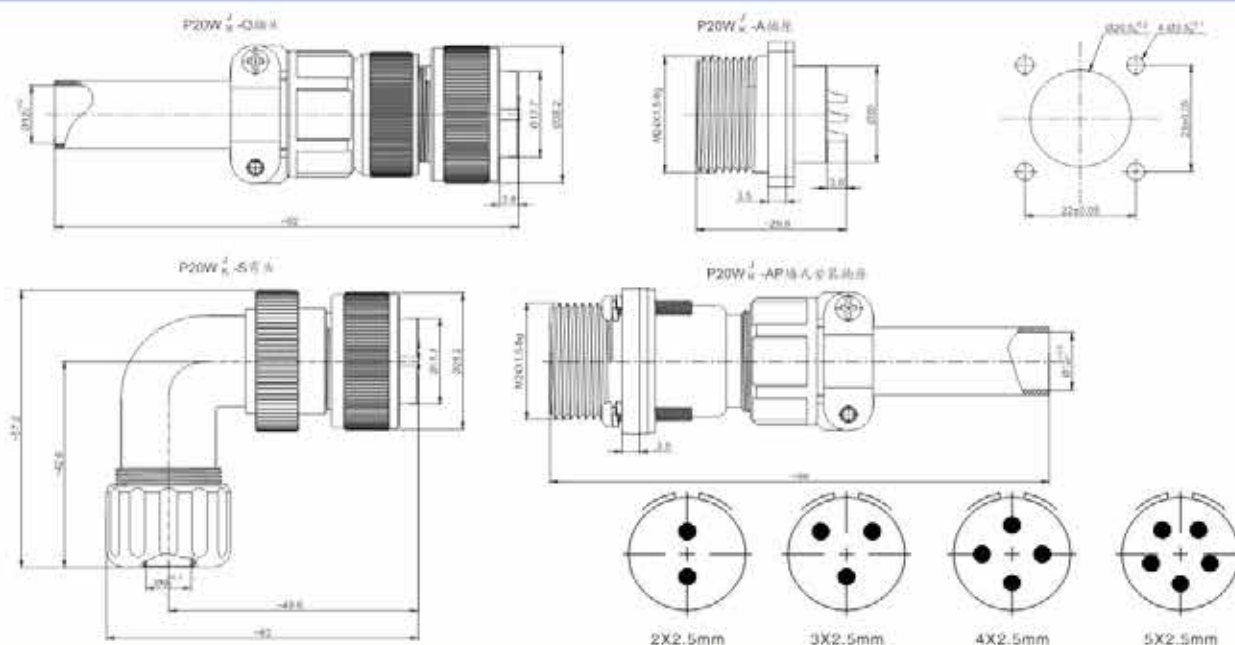
主要技术特性:

- 环境温度: -45℃ ~ +85℃
- 相对湿度: 温度为40℃时达93%
- 寿命: 500次
- 电流: 25A

Main technical features

- Ambient temperature: -45℃ ~ +85℃
- Relative humidity: It can reaches 93% at 40 centigrade
- Life duration: 500times
- Working current: 25A

外形 Exterior



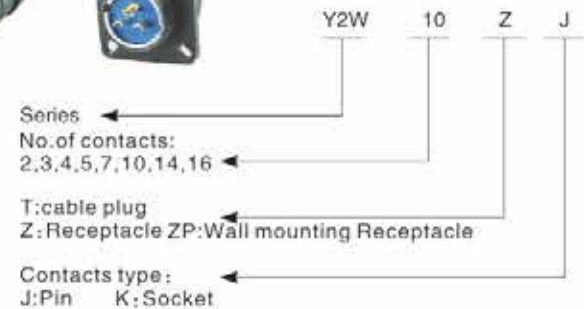
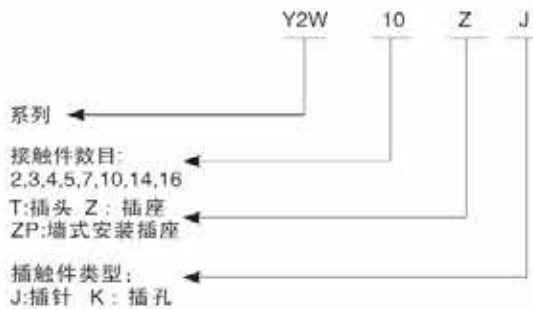
Y2W 防水连接器 Y2W waterproof connector

Y2W系列产品是老式“Y”型电连接器的换代产品。具有体积小、重量轻、使用方便耐插拔、导电性能佳等特点。广泛应用于各类电器设备、仪表、仪器之间的线路连接。

Y series waterproof connector it's the ideal product of a new generation to replace the old Y series connectors. Y2W series waterproof circular connectors are widely used in line connections between electrical equipment, various instruments and meters. These connectors have the features of small volume, light weight, convenient application, high durability of plug and unplug, high conductivity and high dielectric strength.



命名 How to order



材料:

- 外壳:压铸铝/军绿色表面电镀
- 绝缘体:PBT塑料
- 针孔:黄铜/镀金

Material:

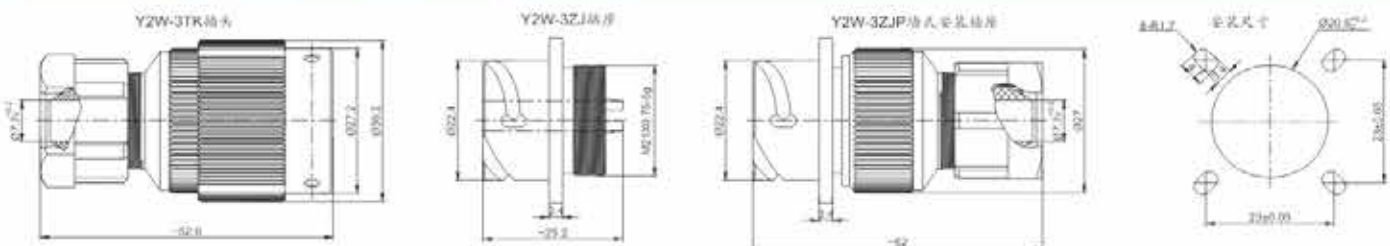
- Body:Aluminium alloy / Olive drab electroplating
- Insulator:PBT plastic
- Contacts:Gold plated over brass

插针直径 Diameter of contact(mm)	1	1.5	2.5
工作电流 working current (A)	5	10	25
接触电阻 contact resistance (mΩ)	≤ 5	≤ 3	≤ 1

绝缘电阻 Insulation resistance

标准大气条件 under normal atmospheric condition	潮湿条件 under humidity atmosphere	高温条件 under temperature condition
≥ 1000MΩ	≥ 100Ω	≥ 1000MΩ

外形和安装尺寸 Exterior and fixing dimension



芯数 No. of pin	2芯	3芯	4芯	5芯	7芯	10芯	14芯	16芯
型号 Type	Y2W	Y2W	Y2W Y2W	Y2W	Y2W	Y2W	Y2W	Y2W Y2W
芯数构成 Contact diameter and quantity	φ2.5×2	φ2.5×3	φ2.5×4 φ2.5×2 φ2.5×2	φ2.5×5	φ1.5×7	φ1×6 φ1.5×4	φ1×14	φ16×1 φ1×14 φ2×2.0

Y 系列连接器

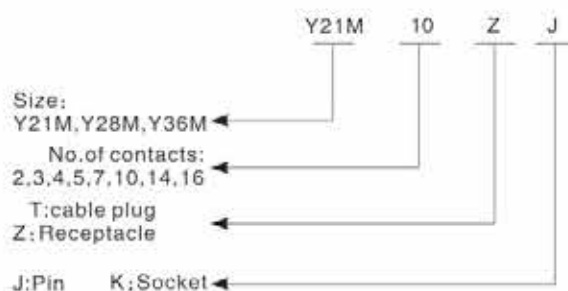
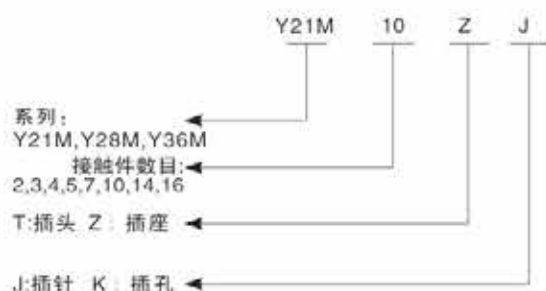
Y series connector

Y系列产品有三种安装尺寸分别为21mm,28mm,36mm。不同的尺寸有不同的芯数。具有体积小、重量轻、使用方便耐插拔、导电性能佳的特点。广泛应用于适类电器设备、仪表、仪器之间的线路连接。

Y series connector include 21mm, 28mm, 36mm, different size has different poles. Y series circular connectors are widely used in line connections between electrical equipment, various instruments and meters. These connectors have the features of small volume, light weight, convenient application, high durability of plug and unplug, high conductivity and high dielectric strength.



命名 How to order



产品材料:

- 外壳: 压铸铝/军绿色表面电镀
- 绝缘体: PBT塑料
- 针孔: 黄铜/镀金

Products material:

- Body: Aluminium alloy / Olive drab electroplating
- Insulator: PBT plastic
- Contacts: Gold plated over brass

接触电阻及额定电流

接触件规格 Contacts diameter mm	接触电阻 Contacts resistance mΩ	额定电流 Rated current A
Φ2.0	≤ 2.0	15
Φ3.5	≤ 0.75	30
Φ5.5	≤ 0.5	40

使用环境条件

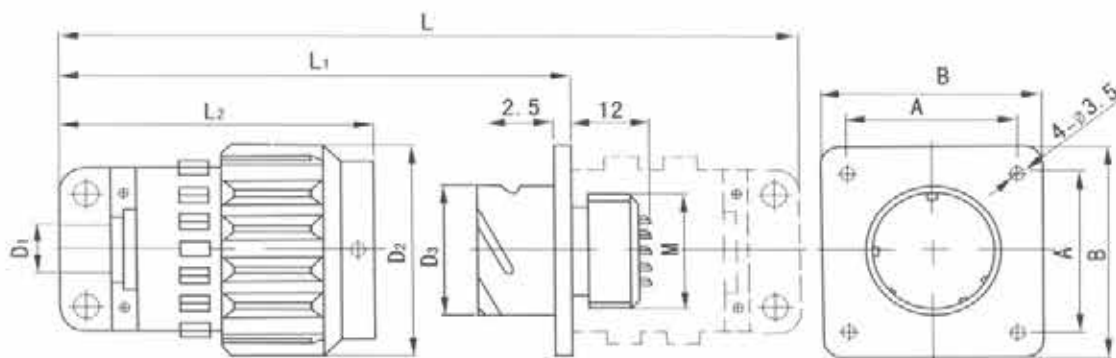
- 工作温度: -45℃~+85℃
- 工作气压: 101.33KPa~6.67Pa
- 冲击: 加速度980m/s²
- 恒加速度: 加速度245m/s²
- 相对湿度: 温度为40±2℃时, 为92~98%
- 正弦振动: 10~2500Hz 加速度196m/s²
- 碰撞: 加速度392m/s²

Service environmental condition

- Working temperature: -45℃~+85℃
- Atmospheric pressure: 101.33KPa~6.67Pa
- Concussion: acceleration 980m/s²
- Constant speed: acceleration 245m/s²
- Relative humidity: Temperature is 40±2 degrees, Centigrade reach 92~98%
- Sine vibration: 10~2500Hz acceleration 196m/s²
- Collision: acceleration 392m/s²

Y 系列连接器

Y series connector



型号 Type	安装尺寸 Fixing dimension			外形尺寸 Shell dimension					
	A	D1	M	B	D ₂	D ₃	L	L ₁	L ₂
Y21M	22-24	φ12	M21	31	φ31	φ22.7	79	51	45
Y28M	28	φ18	M28	38	φ38	φ28.7	88	56	49
Y36M	36	φ26	M36	46	φ46	φ36.7	108	67	60

芯数: No. of pin	2芯	3芯	4芯		5芯	7芯	10芯	14芯	16芯	
Y21M										
尺寸: Size	Y21M	Y21M	Y21M	Y21M	Y21M	Y21M	Y21M	Y21M	Y21M	Y21M
型号代码 Assembled code	2	3	4	6	5	7	10	14	16	17
芯数构成 Contact diameter and quantity	Ø2.5×2	Ø2.5×3	Ø2.5×4	Ø2.5×2 Ø1.5×2	Ø2.5×5	Ø1.5×7	Ø1.5×4 Ø1.0×6	Ø1.0×14	Ø2.0×2 Ø1.0×14	Ø1.0×16
芯数: No. of pin	3芯	4芯	7芯	8芯	10芯	12芯	19芯	24芯	32芯	37芯
Y28M										
尺寸: Size	Y28M	Y28M	Y28M	Y28M	Y28M	Y28M	Y28M	Y28M	Y28M	Y28M
型号代码 Assembled code	3	4	7	8	10	12	19	24	32	37
芯数构成 Contact diameter and quantity	Ø2.5×4	Ø3.5×4	Ø2.5×7	Ø2.5×8	Ø1.5×10	Ø1.5×12	Ø1.5×4 Ø1.0×15	Ø1.5×4 Ø1.0×20	Ø1.0×32	Ø1.0×37
芯数: No. of pin	4芯	14芯	16芯	19芯	36芯	50芯	65芯			
Y36M										
尺寸: Size	Y36M	Y36M	Y36M	Y36M	Y36M	Y36M	Y36M			
型号代码 Assembled code	4	14	16	19	36	50	65			
芯数构成 Contact diameter and quantity	Ø5.5×4	Ø2.5×6 Ø1.5×8	Ø1.5×16	Ø1.5×19	Ø1.5×4 Ø1.0×32	Ø1.5×4 Ø1.0×46	Ø1.0×65			

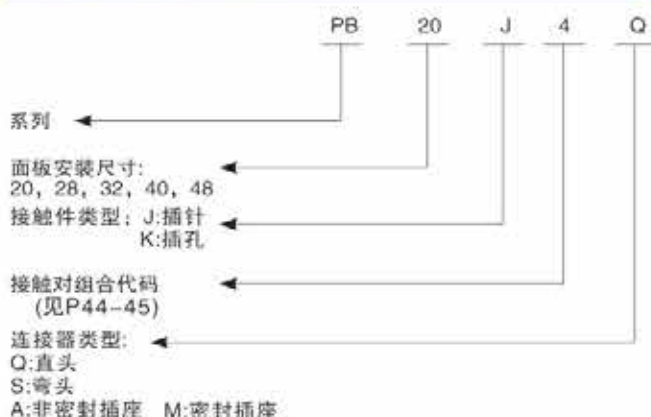
接触直径: Ø5.5 ● Ø3.5 ● Ø2.5 ● Ø2.0 ● Ø1.5 ● Ø1.0 ○

PB型系列圆形连接器

PB系列圆形连接器为我司自行研制设计和制造的产品，具有重量轻、规格多，良好的密封性能，壳体采用铝合金，接触件铜合金表面镀银，耐腐蚀，导电性能佳，是国内外同类产品的理想替代品，可面板安装也可对接使用。



命名 How to order



(1) 工作环境:

- 环境温度: 非密封插头座为-55~+70℃
密封插头座为-55~+50℃
- 相对湿度: 温度为+40℃时可达98%
- 大气压力: 达2KPa
- 震动: 振频为10~200Hz, 加速度达100m/s²
- 冲击: 频率为40~100次/分, 加速度达250m/s²
- 离心: 加速度达250m/s²

(2) 主要技术特性 Main technical condition

接触电阻 Contact resistance:

接触对直径 (mm) Contact of diameter (mm)	1.5	2.5	3.5	5.5
接触电阻 (Ω) Contact resistance (Ω)	0.0025	0.001	0.0005	0.0003

插头座外所有结合处的总接触电阻不大于0.002Ω
试验电阻 (50Hz, 有效值):
正常条件下1500V恒定湿热试验后1000V

接触对数为1~20, 为额定电流的100%
接触对数为21~30, 为额定电流的80%
绝缘电阻: 正常条件下不小于500MΩ, 恒定湿热试验后不小于2MΩ

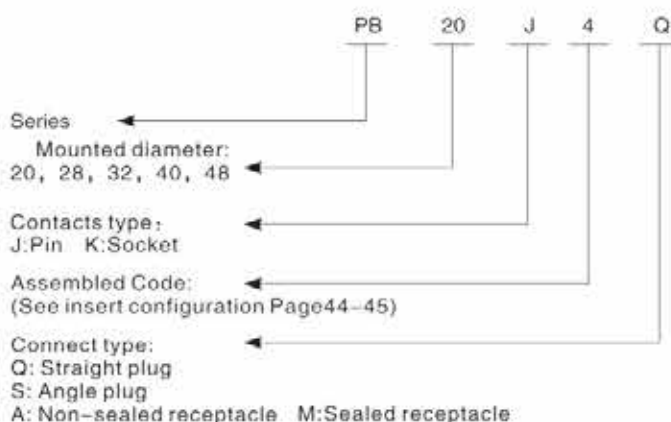
单脚分离力 Single separative power:

接触对直径 (mm) Diameter of contacts (mm)	1.5	2.5	3.5	5.5
分离力 (N) Separating force (N)	3~6	4~8	6~10	10~20

寿命: 500次 Lifepan: 500 times

PB 系列连接器 PB series connector

PB series connector is designed and produced by our company. Light weight, various specifications, well-sealed, thread connection are major features. aluminum housing, Cooper alloy contacts with silver plating, resistance against corrosion, good electric conductivity and mechanical rigidity, can be the ideal substitute for the similar products from the overseas. It can be installed on the panel or cable in line.



Working condition:

- Environment temperature: sealed -55~+70℃
non-sealed -55~+50℃
- Relative humidity: up to 98% when the temperature is +40℃
- Atmospheric pressure: up to 2KPa
- Vibration: frequency up to 10~200Hz when the acceleration is 100m/s²
- Impact: frequency up to 40~100m/s when the acceleration is 250m/s²
- Centrifugal: acceleration up to 250m/s²

额定电流 Rated current:

接触对直径 (mm) Rated current (mm)	1.5	2.5	3.5	5.5
额定电流 (A) Contact pairs diameter (A)	10	25	50	100

The total resistance of the socket is no more than 0.002Ω
1500V under normal condition 1000V after constant moist heat reliability test

The current is 100% when contact pairs is 1~20
The current is 80% when contact pairs is 21~30
Insulation resistance: no less than 500MΩ, over the constant moisture test is 2MΩ

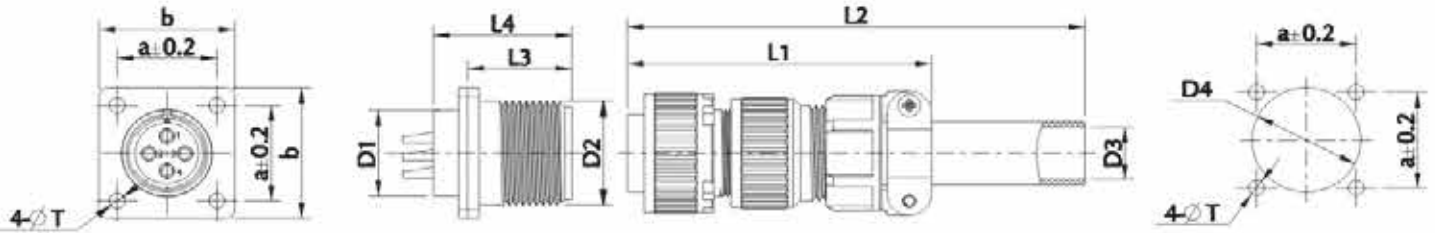
额定电压 Rated voltage:

大气压力 (Kpa) Atmospheric pressure (Kpa)	100	8.5	4.4	2
工作电压 (V) Working voltage (V)	500	250	175	150

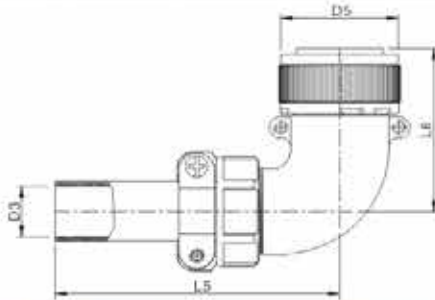
PB 系列连接器

PB series connector

尺寸: Dimension



型号 Type	a	b	T	D1	D2	D3	D4	L1	L2	L3	L4
20	22	30	φ 3.5	φ 20	M24 × 1.5-6g	φ 11	φ 20.4	66	101	23.2	31
28	30	38	φ 3.5	φ 28	M33 × 1.5-6g	φ 16	φ 28.4	68	106	23.2	32
32	31.5	40	φ 4.5	φ 31.5	M36 × 1.5-6g	φ 16	φ 31.9	68	106	23.2	33
40	40	48	φ 4.5	φ 40	M45 × 1.5-6g	φ 18	φ 40.4	76	113	23.2	33
48	48	60	φ 4.5	φ 48	M52 × 1.5-6g	φ 22	φ 48.4	83	119	23.2	33



型号 Type	D3	D5	L5	L6
20	φ 11	φ 26.6	53	51.5
28	φ 16	φ 37	88	55.5
32	φ 16	φ 40	89.5	56
40	φ 18	φ 48.7	94	60
48	φ 22	φ 55.6	96	62

接触对组合代号表 Contact assembled code form

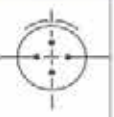
插座外壳配合直径 Assorted diameter of socket and panel (mm)	接触对数目 Number of contacts					接触对组合代号 Assembled code of contacts
	总数 Total	按直径分组 According the diameter grouping (mm)				
		1.5	2.5	3.5	5.5	
20	2	2				1
20	2		2			2
20	3		3			3
20	3	3				4
20	3	1	2			5
20	4		4			6
20	4	4				7
20	4	2	2			8
20	5		5			9
20	5	5				10
20	7	7				11
28	2			2		1
28	4	4				7
28	4	2	2			8
28	4		4			9
28	4		2	2		2
28	4	2		2		10
28	6	4		2		3
28	6	6				11
28	7		7			4
28	7	7				12
28	7	5	2			13
28	7	4	3			14
28	7	3	4			15
28	17	17				16
32	8		8			2
32	8	8				7
32	8	7	1			8

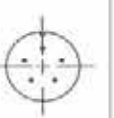
插座外壳配合直径 Assorted diameter of socket and panel (mm)	接触对数目 Number of contacts					接触对组合代号 Assembled code of contacts
	总数 Total	按直径分组 According the diameter grouping (mm)				
		1.5	2.5	3.5	5.5	
32	8	4	4			9
32	10	10				10
32	10	5	5			16
32	10	6	4			11
32	12	6	6			3
32	12	12				12
32	14		14			15
32	14	14				4
32	19	19				17
40	3				3	1
40	5			5		10
40	9		5	4		2
40	14	8	6			3
40	14	12	2			4
40	14	14				5
40	15	15				6
40	15	13	2			7
40	16	14	2			8
40	16	16				9
40	26	22	4			11
40	31	31				12
48	5				5	10
48	7			7		9
48	12		12			8
48	20	14	6			5
48	26	26				6
48	26	25	1			7
48	42	42				11

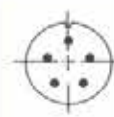
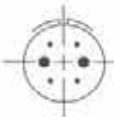
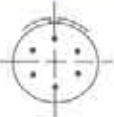
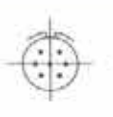
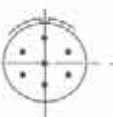
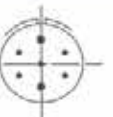
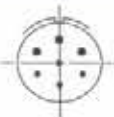
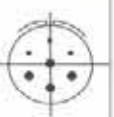
PB型系列圆形连接器

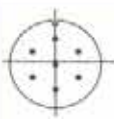
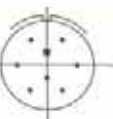
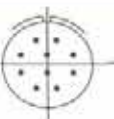
PB 系列连接器 PB series connector

型普图 Insert configuration

芯数 No. of pin	2芯			3芯				4芯	
									
型号 Type	PB20	PB20	PB28	PB20	PB20	PB20	PB40	PB20	PB20
组合代码 Assembled code	1	2	1	3	4	5	1	6	7
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 2$	$\phi 2.5 \times 2$	$\phi 3.5 \times 2$	$\phi 2.5 \times 3$	$\phi 1.5 \times 3$	$\phi 1.5 \times 1$ $\phi 2.5 \times 2$	$\phi 5.5 \times 3$	$\phi 2.5 \times 4$	$\phi 1.5 \times 4$

芯数 No. of pin	4芯						5芯		
									
型号 Type	PB20	PB28	PB28	PB28	PB28	PB28	PB20	PB20	PB40
组合代码 Assembled code	8	7	8	9	2	10	9	10	10
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 2$ $\phi 2.5 \times 2$	$\phi 1.5 \times 4$	$\phi 1.5 \times 2$ $\phi 2.5 \times 2$	$\phi 2.5 \times 4$	$\phi 2.5 \times 2$ $\phi 3.5 \times 2$	$\phi 1.5 \times 2$ $\phi 3.5 \times 2$	$\phi 2.5 \times 5$	$\phi 1.5 \times 5$	$\phi 3.5 \times 5$

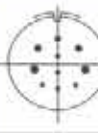
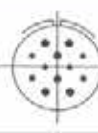
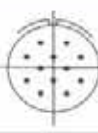
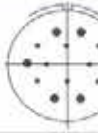
芯数 No. of pin	5芯	6芯		7芯					
									
型号 Type	PB48	PB28	PB28	PB20	PB28	PB28	PB28	PB28	PB28
组合代码 Assembled code	10	3	11	11	4	12	13	14	15
芯数构成 Contact diameter and quantity	$\phi 5.5 \times 5$	$\phi 1.5 \times 4$ $\phi 3.5 \times 2$	$\phi 1.5 \times 6$	$\phi 1.5 \times 7$	$\phi 2.5 \times 7$	$\phi 1.5 \times 7$	$\phi 1.5 \times 5$ $\phi 2.5 \times 2$	$\phi 1.5 \times 4$ $\phi 2.5 \times 3$	$\phi 1.5 \times 3$ $\phi 2.5 \times 4$

芯数 No. of pin	7芯		8芯				9芯	10芯	
									
型号 Type	PB48	PB55	PB32	PB32	PB32	PB32	PB40	PB32	PB32
组合代码 Assembled code	9	7	7	2	8	9	2	10	11
芯数构成 Contact diameter and quantity	$\phi 3.5 \times 7$	$\phi 5.5 \times 6$ $\phi 2.5 \times 1$	$\phi 1.5 \times 8$	$\phi 2.5 \times 8$	$\phi 1.5 \times 7$ $\phi 2.5 \times 1$	$\phi 1.5 \times 4$ $\phi 2.5 \times 4$	$\phi 2.5 \times 5$ $\phi 3.5 \times 4$	$\phi 1.5 \times 10$	$\phi 1.5 \times 6$ $\phi 2.5 \times 4$

PB 系列连接器 PB series connector

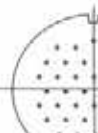
PB型系列圆形连接器

型普图 Insert configuration

芯数 No. of pin	10芯		12芯		13芯		14芯	
								
型号 Type	PB32	PB32	PB32	PB32	PB48	PB32	PB40	
组合代码 Assembled code	16	3	12	15	8	4	3	
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 5$ $\phi 2.5 \times 5$	$\phi 1.5 \times 6$ $\phi 2.5 \times 6$	$\phi 1.5 \times 12$	$\phi 1.5 \times 9$ $\phi 2.5 \times 4$	$\phi 2.5 \times 13$	$\phi 1.5 \times 14$	$\phi 1.5 \times 8$ $\phi 2.5 \times 6$	

芯数 No. of pin	14芯		15芯		16芯	
						
型号 Type	PB40	PB40	PB40	PB40	PB40	PB40
组合代码 Assembled code	4	5	6	7	8	9
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 12$ $\phi 2.5 \times 2$	$\phi 1.5 \times 14$	$\phi 1.5 \times 15$	$\phi 1.5 \times 13$ $\phi 2.5 \times 2$	$\phi 1.5 \times 14$ $\phi 2.5 \times 2$	$\phi 1.5 \times 16$

芯数 No. of pin	17芯	19芯	20芯	26芯	
					
型号 Type	PB28	PB32	PB48	PB48	PB48
组合代码 Assembled code	16	17	5	6	7
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 17$	$\phi 1.5 \times 19$	$\phi 1.5 \times 14$ $\phi 2.5 \times 6$	$\phi 1.5 \times 26$	$\phi 1.5 \times 25$ $\phi 2.5 \times 1$

芯数 No. of pin	26芯	31芯	42芯
			
型号 Type	PB40	PB40	PB48
组合代码 Assembled code	11	12	11
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 22$ $\phi 2.5 \times 4$	$\phi 1.5 \times 31$	$\phi 1.5 \times 42$

Q型系列圆形电连接器

Q 系列连接器

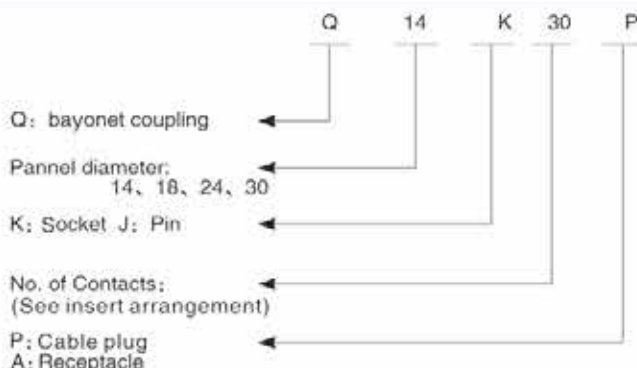
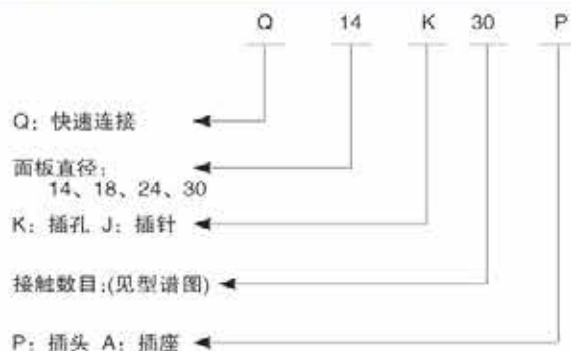
Q series connector

Q系列圆形电连接器体积小，重量轻，卡口快速连接，操作使用简单方便，插针、插孔引线采用焊接式。产品结构先进，电连接性能优良，价格低廉，性价比高，被广泛使用于各种电子仪器、电气设备间的电连接中。产品按电子工业部标准SJ10497制造。产品针、孔可以根据你的要求互换。

Q series of circular electrical connector, which owns the small volume and light weight. The bayonet would be coupled quickly. The pins and the downleads of jack are adopted welding style. The operation is simple and convenient. The advanced structure and the excellent electrical connection capability of the commodity, with the low price, which is reasonable. It was widely used in series of electronic apparatus a electronic equipment. All the articles are manufactured according to the electronic industry standard called SJ10497. All the pins and jacks would be exchanged as your requirement.



命名 How to order



(1) 使用环境条件

- 环境温度: -55~+100℃
- 大气压力: 达1KPa
- 碰撞: 加速度达500m/s²
- 相对湿度: 达98%, 温度为+40℃
- 振动: 振频10~2000Hz, 加速度150m/s²
- 机械寿命: 500次

Service environmental condition

- Ambient temperature: -55~+100℃
- Atmospheric pressure: 达1KPa
- Collision: Acceleration 500m/s²
- Relative humidity: Temperature is 40degrees Centigrade reach98%
- Vibration: Frequency 10~2000HZ, acceleration150m/s²
- Mechanical life: 500times

(2) 工作电压、电流、电阻 Main technical parameters

接触件直径 Diameter of contact (mm)	接触电阻 Contact resistance (Ω)	工作电流 Working current (A)	电压Voltage (≤400HZ) 接触点中心距 Contact centre distance (mm)	
			≥3.5	2.8
0.8	0.01	2	500	400
1	0.005	3	500	400
1.5	0.0025	10	500	400
2.5	0.001	25	500	400

注: 根据连接器接触对数量, 其每一接触对的额定电流规定如下:

接触对数目: 1~20, 为额定工作电流的100%
接触对数目: 21~32, 为额定工作电流的80%
接触对数目: 33~55, 为额定工作电流的70%
Attention: according to connectors of the contact amount, the rated current of each contact are following:
The amount of contact 1~20, the rated current is 100%
The amount of contact 21~32, the rated current is 80%
The amount of contact 33~55, the rated current is 70%

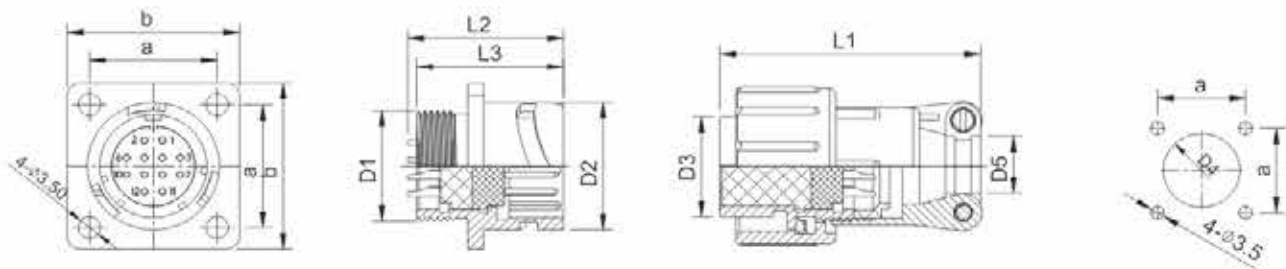
(3) 试验电压 (50HZ) Experimental voltage (50HZ)

接触对中心距 Contact centre distance (mm)	正常条件下 Normal (V)	潮湿试验后 Moisture test (V)
≥3.5	1500	1000
2.8	1200	800

(4) 低气压条件下的试验电压 (50HZ) Experimental voltage under low pressure (50HZ)

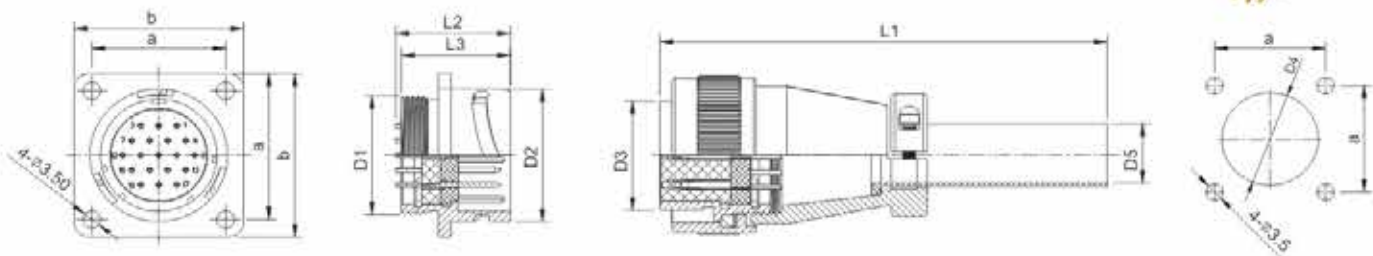
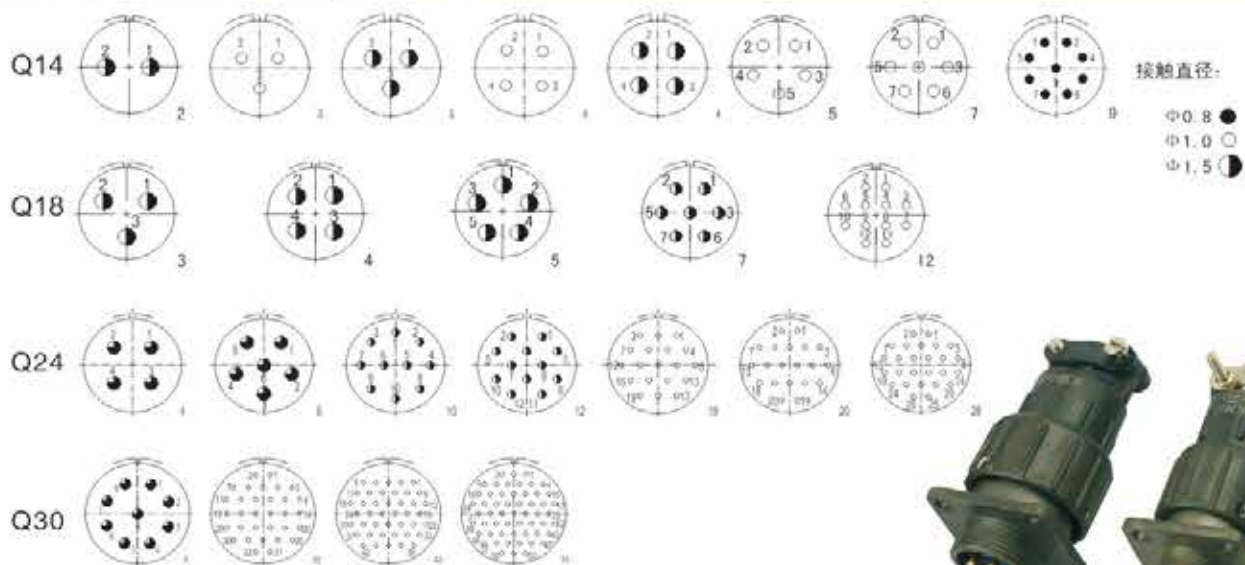
大气压力 Atmosphere (kPa)	接触对中心距 Contact centre distance (mm)	
	≥3.5	≥2.8
46.7	1000V	730V
8.5	500V	400V
4.4	400V	300V

Q 系列连接器 Q series connector



类型 Type	安装及外型尺寸 Fixing and exterior dimension									
	a	b	D1	D2	D3	D4	D5	L1	L2	L3
Q18	20 ± 0.20	27	M18	$\phi 20.7$	$\phi 16.6$	$\phi 18.5$	$\phi 12$	41	24	23
Q14	17 ± 0.20	24	M14	$\phi 16.8$	$\phi 12.4$	$\phi 14.5$	$\phi 8$	40	24	23

接触对型谱图 Insert Arrangement



类型 Type	安装及外型尺寸 Fixing and exterior dimension									
	a	b	D1	D2	D3	D4	D5	L1	L2	L3
Q30	31 ± 0.20	38	M18	$\phi 30$	$\phi 28.3$	$\phi 30.5$	$\phi 14$	103	23.5	21.5
Q24	26 ± 0.20	33	M14	$\phi 27$	$\phi 22.2$	$\phi 24.5$	$\phi 11$	87.5	23.5	21.5

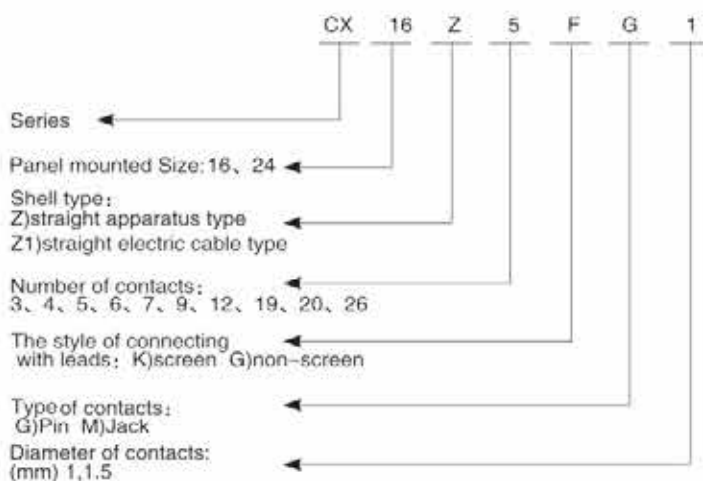
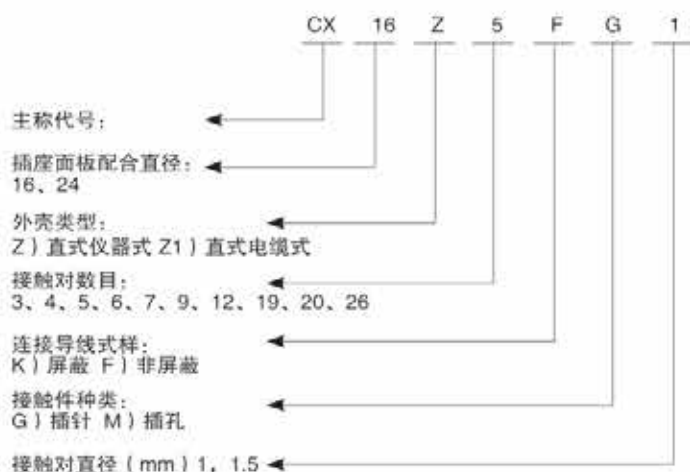
CX 系列连接器 CX series connector



CX系列连接器有外壳配合直径为16、24 (mm) 两种规格, 接触对有3、4、5、6、7、9、12、19、20、26芯等几种, 可作为仪器仪表, 电气及无线设备间电源连接, 电缆间相互连接或穿墙、隔板连接之用。

CX series of connector has two specifications of diameter 16, 24 (mm) 3, 4, 5, 6, 7, 9, 12, 19, 20, 26 pins are available. It could be used for the power connection of instruments, electricals and wireless equipments cables or crossing wall clashboard.

命名 How to order



(1) 使用工作条件

- 环境温度: $-55 \sim +85^{\circ}\text{C}$
- 碰撞: 加速度达 250m/s^2
- 相对湿度: 达93%, 温度为 $+40^{\circ}\text{C}$
- 振动: 加速度达 100m/s^2

Service environmental condition

- Ambient temperature: $-55 \sim +85^{\circ}\text{C}$
- Collision: Acceleration 250m/s^2
- Relative humidity: Temperature is 40°C Centigrade reach 93%
- Vibration: acceleration reaches 100m/s^2

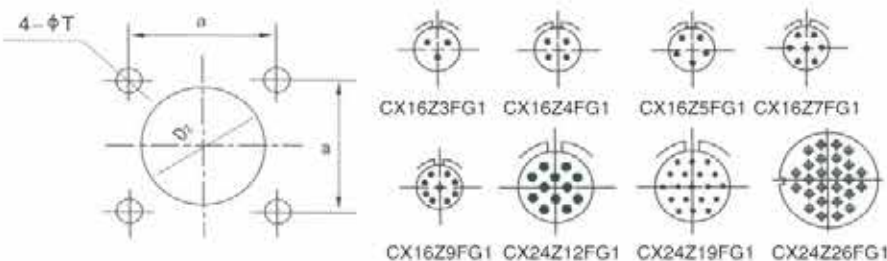
(2) 主要技术特征

- 额定电流: 5A
- 绝缘电阻: $\geq 5000\text{M}\Omega$
- 接触对直径: $\phi 1$ $\phi 1.5$
- 接触电阻: $5\text{m}\Omega$ $2.5\text{m}\Omega$

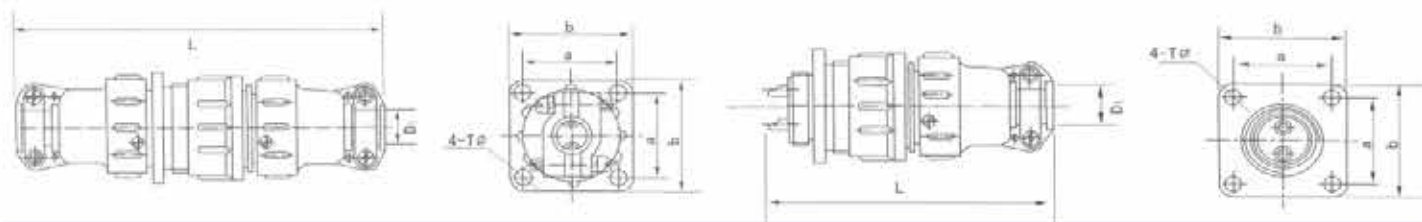
Main technical character

- Rated current: 5A
- Insulation resistance: $\geq 5000\text{M}\Omega$
- Diameter of contact pair: $\phi 1$ $\phi 1.5$
- Contact resistance: $5\text{m}\Omega$ $2.5\text{m}\Omega$

安装尺寸 Dimensions



型号	D1	D2	L1	L	a	b	t
CX16	8	16.5	82	64	20	26	3.2
CX24	12	24.5	94.5	69	26	33	3.5



P 系列连接器 P series connector

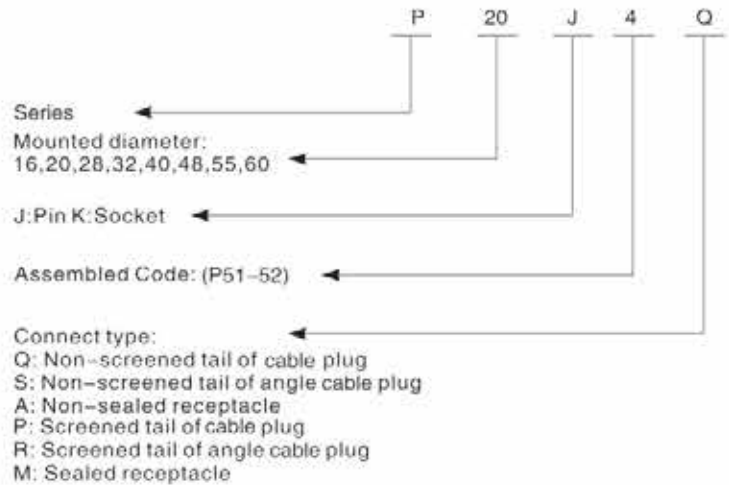
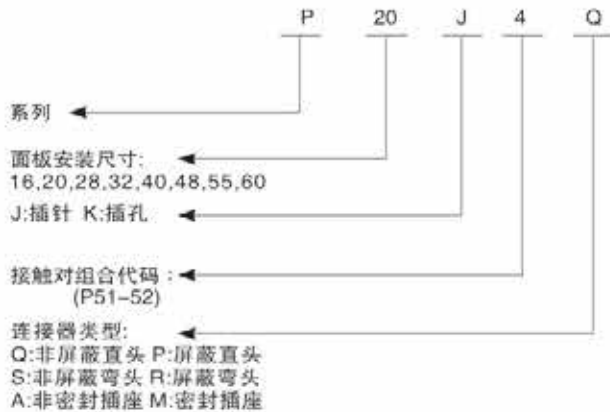
P型系列圆形电连接器

P系列普通圆形电连接器,符合SJ/T10496-94螺纹连接,1800多个规格,包括:直式、弯式、屏蔽式、非屏蔽式、密封、非密封等。接触件直径 $\phi 1.5$ 、 $\phi 2.5$ 、 $\phi 3.5$ 、 $\phi 5.5$ mm,镀金,银。

P series circular connector, accords with SJ/T1049694, 1800 pieces of specification, include: straight, angle, screen, non-screen, seal, and non-seal, etc. the diameter of contacts are $\phi 1.5$ 、 $\phi 2.5$ 、 $\phi 3.5$ 、 $\phi 5.5$ mm, gold and silver-plated



命名 How to order



(1) 使用条件及主要技术特性

- 环境温度: $-55 \sim +70^{\circ}\text{C}$ (非密封插头座)
 $-55^{\circ}\text{C} \sim +55^{\circ}\text{C}$ (密封插头座)
- 相对湿度: 达95%, 温度为 40°C
- 振动: 频率 $10 \sim 200\text{Hz}$, 加速度 95m/s^2
- 绝缘电阻: 常温 $\geq 500\text{M}\Omega$ 湿热 $\geq 2\text{M}\Omega$
- 寿命: 插拔500次

Service environmental condition and main technical performance

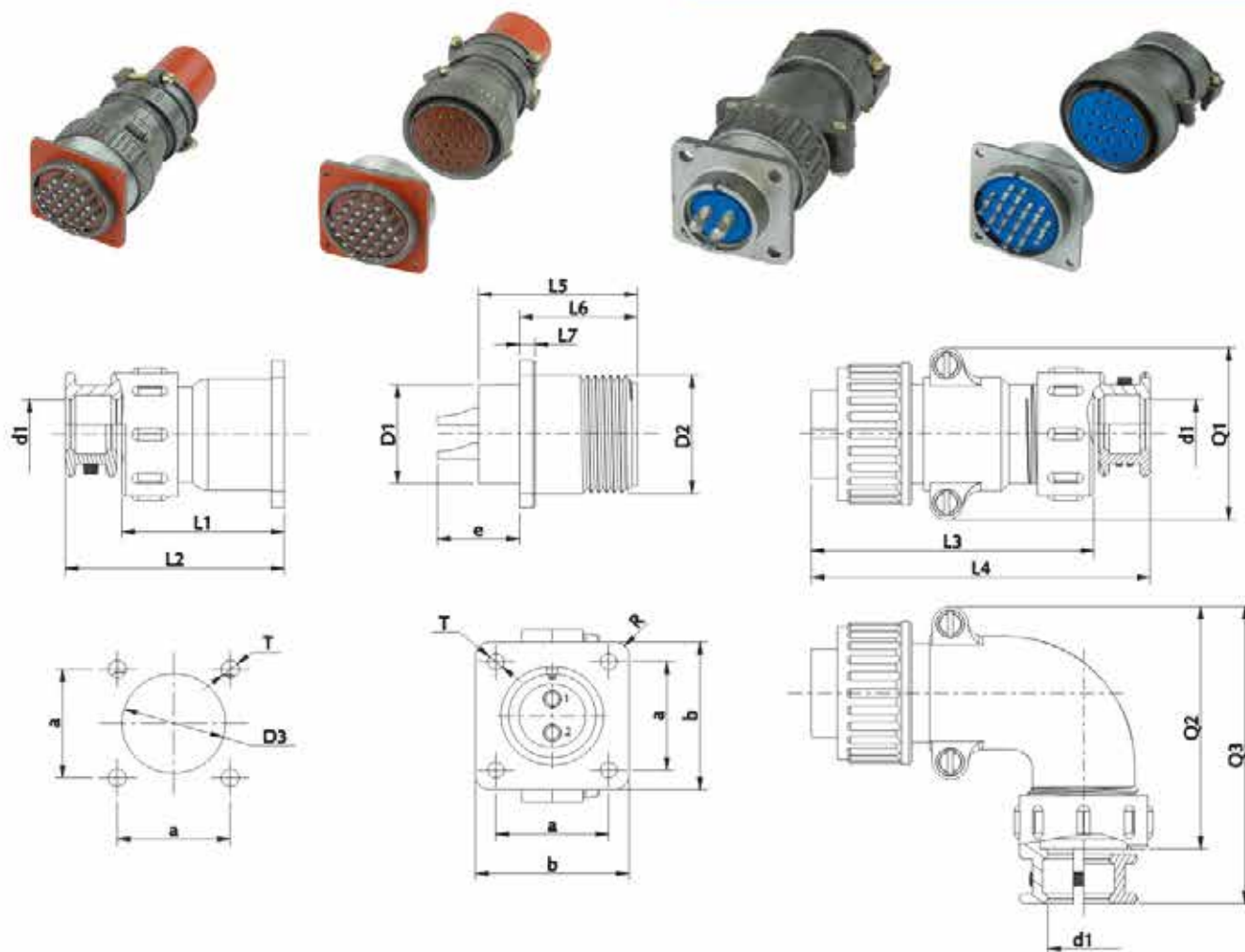
- Ambient temperature: $-55 \sim +70^{\circ}\text{C}$ (Sealed receptacle)
 $-55^{\circ}\text{C} \sim +55^{\circ}\text{C}$ (Non-sealed receptacle)
- Relative humidity: Temperature is 40°C reach 95%
- Vibration: Frequency $10 \sim 200\text{Hz}$, reach 95m/s^2
- Insulated resistance: normal temperature $\geq 500\text{M}\Omega$
Wet heat $\geq 2\text{M}\Omega$
- Service life: insert and withdraw 500 times



P型系列圆形电连接器

P 系列连接器

P series connector



P系列连接器插头座外形及安装尺寸

Dimensions

型号 Type	16	20	28	32	36	40	48	55	60
D1	φ16	φ20	φ28	φ32	φ36	φ40	φ48	φ55	φ60
D2	M20	M24	M33	M36	M39	M45	M52	M60	M64
D3	φ16.4	φ20.4	φ28.4	φ32.4	φ36.4	φ40.4	φ48.4	φ55.4	φ60.4
L1	28	32	36	40	42	42	44	44	42
L2	38	43	50	50	56	56	58	58	56
L3	51	54	55	58	64	64	55	66	64
L4	61	65	70	72	78	78	80	80	77
L5	31	31	32	32	32	32	32	32	32
L6	23	23	23	23	23	23	23	23	23
L7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3	3.6
Q1	28.5	36	48	52	54	60	68	74	80
Q2	40	48	62	66	67	72	81	88	94
Q3	50	59	76	80	87	86	95	102	108
a	19	22	30	32	34	40	48	52	54
b	25	30	38	40	42	48	58	64	68
d1	7	14	21	21	23	24	32	40	48
R	3.2	3.2	3.5	3.5	3.5	3.5	4.5	4.5	4.5
T	φ3.2	φ3.2	φ3.5	φ3.5	φ3.5	φ3.5	φ4.5	φ4.5	φ4.5
e	15	15	17	19	19				

P 系列连接器 P series connector

接触对组合代号表: Contacts compages code list

插座外壳配合直径 mounted panel diameter(mm)	接触对数目 Number of contact					接触对组合 代码 Assembled code
	总数 Total	按直径分组 According the diameter grouping (mm)				
		1.5	2.5	3.5	5.5	
16	2	2				1
	3	3				2
	4	4				3
20	2	2				1
	2		2			2
	3		3			3
	3	3				4
	3	1	2			5
	4		4			6
	4	4				7
	4	2	2			8
	5		5			9
5	5				10	
7	7				11	
28	2			2		1
	4	4				7
	4	2	2			8
	4		4			9
	4		2	2		2
	4	2		2		10
	6	4		2		3
	6	6				11
	7		7			4
	7	7				12
	7	5	2			13
	7	4	3			14
	7	3	4			15
32	8		8			2
	8	8				7

插座外壳配合直径 mounted panel diameter(mm)	接触对数目 Number of contact					接触对组合 代码 Assembled code
	总数 Total	按直径分组 According the diameter grouping (mm)				
		1.5	2.5	3.5	5.5	
32	8	7	1			8
	8	4	4			9
	10	10				10
	10	6	4			11
	12	6	6			3
	12	12				12
40	14	14				4
	3				3	1
	9		5	4		2
	14	8	6			3
	14	12	2			4
	14	14				5
	15	15				6
	15	13	2			7
	16	14	2			8
16	16				9	
48	20	14	6			5
	26	26				6
55	30	22	8			3
	30	30				4
	30	24	6			5
	35	23	10	2		7
	35	33		2		8
60	31	14	14	2	1	1
	45	35	10			2
	45	24	21			3
	47	26	21			4
	47	40	7			5

接触配对列 Contact arrangement

芯数 No. of pin	2芯			3芯			4芯			2芯			3芯						
																			
型号 Type	P16	P16	P16	P20	P20	P28	P20	P20	P20	P20	P20	P20	P20	P20	P20				
组合代码 Assembled code	1	2	3	1	2	1	3	4	5	3	4	5	3	4	5				
芯数构成 Contact diameter and quantity	φ 1.5 × 2	φ 1.5 × 3	φ 1.5 × 4	φ 1.5 × 2	φ 2.5 × 2	φ 3.5 × 2	φ 2.5 × 3	φ 1.5 × 3	φ 1.5 × 1 φ 2.5 × 2	φ 2.5 × 3	φ 1.5 × 3	φ 1.5 × 1 φ 2.5 × 2	φ 2.5 × 3	φ 1.5 × 3	φ 1.5 × 1 φ 2.5 × 2				
芯数 No. of pin	3芯			4芯															
																			
型号 Type	P40	P20	P20	P20	P28	P28	P28	P28	P28	P28	P28	P28	P28	P28	P28	P28	P28	P28	P28
组合代码 Assembled code	1	6	7	8	7	8	9	2	10	11	12	13	14	15	16	17	18	19	20
芯数构成 Contact diameter and quantity	φ 5.5 × 3	φ 2.5 × 4	φ 1.5 × 4	φ 1.5 × 2 φ 2.5 × 2	φ 1.5 × 4	φ 1.5 × 2 φ 2.5 × 2	φ 2.5 × 4	φ 2.5 × 2 φ 3.5 × 2	φ 1.5 × 2 φ 3.5 × 2	φ 1.5 × 2 φ 2.5 × 2	φ 2.5 × 4	φ 2.5 × 2 φ 3.5 × 2	φ 1.5 × 2 φ 3.5 × 2	φ 1.5 × 2 φ 2.5 × 2	φ 2.5 × 4	φ 2.5 × 2 φ 3.5 × 2	φ 1.5 × 2 φ 3.5 × 2	φ 1.5 × 2 φ 2.5 × 2	φ 2.5 × 4

P 系列连接器

P series connector

芯数 No. of pin	5芯		6芯		7芯				
									
型号 Type	P20	P20	P28	P28	P20	P28	P28	P28	P28
组合代码 Assembled code	9	10	3	11	11	4	12	13	14
芯数构成 Contact diameter and quantity	$\phi 2.5 \times 5$	$\phi 1.5 \times 5$	$\phi 1.5 \times 4$ $\phi 3.5 \times 2$	$\phi 1.5 \times 6$	$\phi 1.5 \times 7$	$\phi 2.5 \times 7$	$\phi 1.5 \times 7$	$\phi 1.5 \times 5$ $\phi 2.5 \times 2$	$\phi 1.5 \times 4$ $\phi 2.5 \times 3$

芯数 No. of pin	7芯	8芯				9芯	10芯		12芯
									
型号 Type	P28	P32	P32	P32	P32	P40	P32	P32	P32
组合代码 Assembled code	15	2	7	8	9	2	10	11	3
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 3$ $\phi 2.5 \times 4$	$\phi 2.5 \times 8$	$\phi 1.5 \times 8$	$\phi 1.5 \times 7$ $\phi 2.5 \times 1$	$\phi 1.5 \times 4$ $\phi 2.5 \times 4$	$\phi 2.5 \times 5$ $\phi 3.5 \times 4$	$\phi 1.5 \times 10$	$\phi 1.5 \times 6$ $\phi 2.5 \times 4$	$\phi 1.5 \times 6$ $\phi 2.5 \times 6$

芯数 No. of pin	12芯	14芯				15芯	15芯	16芯	
									
型号 Type	P32	P32	P40	P40	P40	P40	P40	P40	P40
组合代码 Assembled code	12	4	3	4	5	6	7	8	9
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 12$	$\phi 1.5 \times 14$	$\phi 1.5 \times 8$ $\phi 2.5 \times 6$	$\phi 1.5 \times 12$ $\phi 2.5 \times 2$	$\phi 1.5 \times 14$	$\phi 1.5 \times 15$	$\phi 1.5 \times 13$ $\phi 2.5 \times 2$	$\phi 1.5 \times 14$ $\phi 2.5 \times 2$	$\phi 1.5 \times 16$

芯数 No. of pin	20芯	26芯	30芯			35芯	
							
型号 Type	P48	P48	P55	P55	P55	P55	P55
组合代码 Assembled code	5	6	3	4	5	7	8
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 14$ $\phi 2.5 \times 6$	$\phi 1.5 \times 26$	$\phi 1.5 \times 22$ $\phi 2.5 \times 8$	$\phi 1.5 \times 30$	$\phi 1.5 \times 24$ $\phi 2.5 \times 6$	$\phi 1.5 \times 23$ $\phi 2.5 \times 10$ $\phi 3.5 \times 2$	$\phi 1.5 \times 33$ $\phi 3.5 \times 2$

芯数 No. of pin	31芯	45芯			47芯	
						
型号 Type	P60	P60	P60	P60	P60	P60
组合代码 Assembled code	1	2	3	4	5	5
芯数构成 Contact diameter and quantity	$\phi 1.5 \times 14$ $\phi 2.5 \times 14$ $\phi 5.5 \times 1$	$\phi 1.5 \times 35$ $\phi 2.5 \times 10$	$\phi 1.5 \times 24$ $\phi 2.5 \times 21$	$\phi 1.5 \times 24$ $\phi 2.5 \times 21$	$\phi 1.5 \times 26$ $\phi 2.5 \times 21$	$\phi 1.5 \times 40$ $\phi 2.5 \times 7$

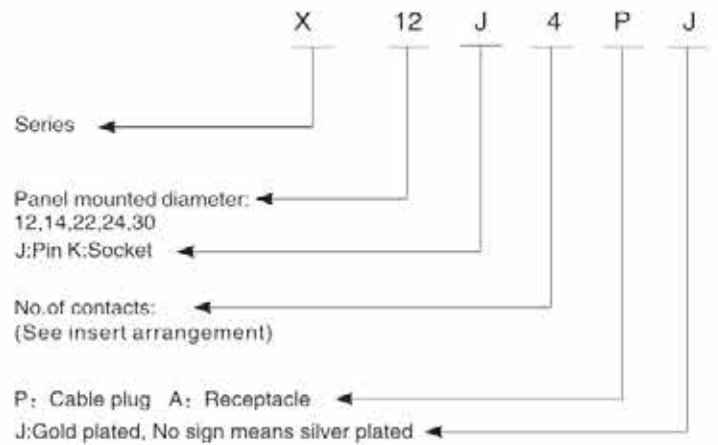
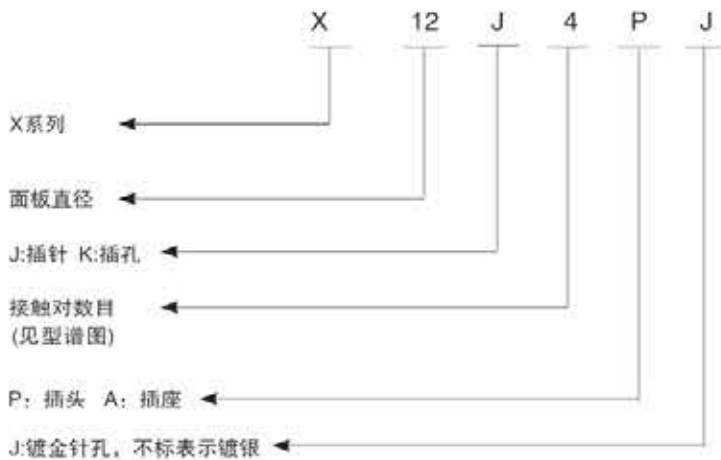
X 系列连接器 X series connector

X系列小圆形插头座适用于电气及无线电设备间，电缆与电缆间的连接，它代替CX型和2CX型插头座，若接触对直径、数目、及分布位置相同者，可互换。可面板安装，也可对接用。该型号产品符合电子工业标准SJ1743-81。

X series small circular connectors suitable for the connection of electrics and wireless equipments and cables. If the diameter, amount and distributng location of contact pairs are the same, it could be used to replace the CX type electronic industry standatd called SJ1743-81.



命名 How to order



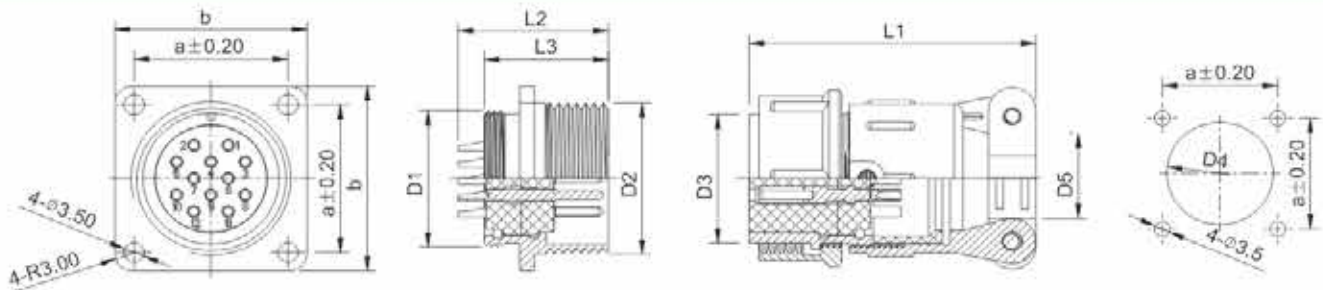
(1) 使用条件

- 环境温度: -55~+100℃
- 大气压力: 达7.5mmhg
- 碰 撞: 加速度达50g
- 相对湿度: 达98%, 温度为+40℃
- 振 动: 振频10~2000Hz, 加速度15g
- 机械寿命: 500次

Service environmental condition

- Ambient temperature: -55~+100℃
- Atmospheric pressure: Reach 1KPa
- Collision: Acceleration 500m/s²
- Relative humidity: Temperature is 40 centigrade, reach 90%~95%
- Vibraton: Frequency 10~1000Hz, acceleration 150m/s²
- Mechanical life: 500 times

安装尺寸 Dimensions



型号 Type	安装尺寸 (mm) Fixing dimension				外型尺寸 (mm) Shape dimension				
	D1	D2	D3	D4	a	b	L1	L2	L3
X14	M14X1.0(左)	M16X1.0	11.4	14.5	17	24	39	23	21
X22	M22X1.0(左)	M24X1.0	19.6	22.5	23	30	47	23	21
X24	M24X1.0(左)	M27X1.5	22.6	25	26	33	47	23	21
X30	M30X1.0(左)	M33X1.5	28	31	31	38	47	23	21

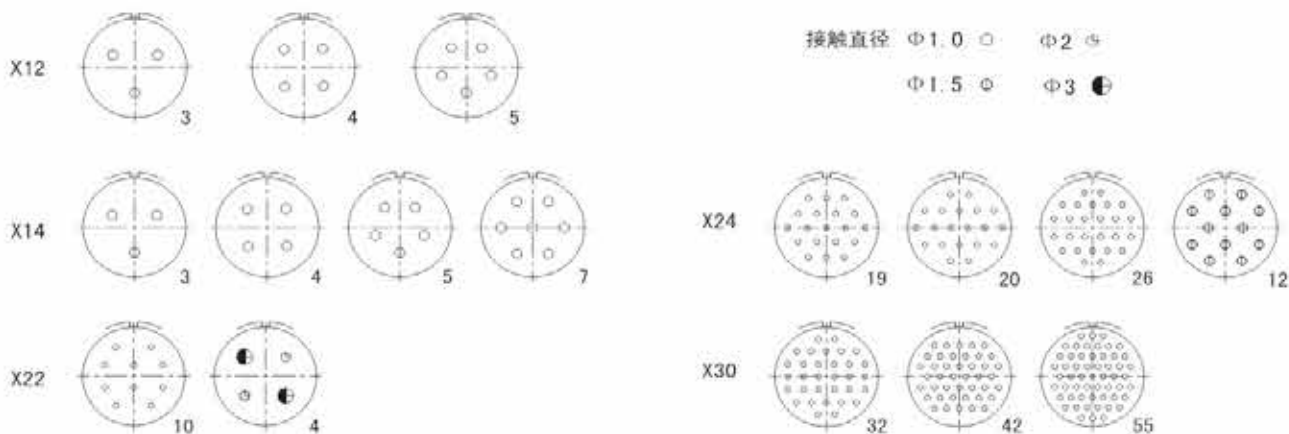
X型系列小圆形插头座

X 系列连接器

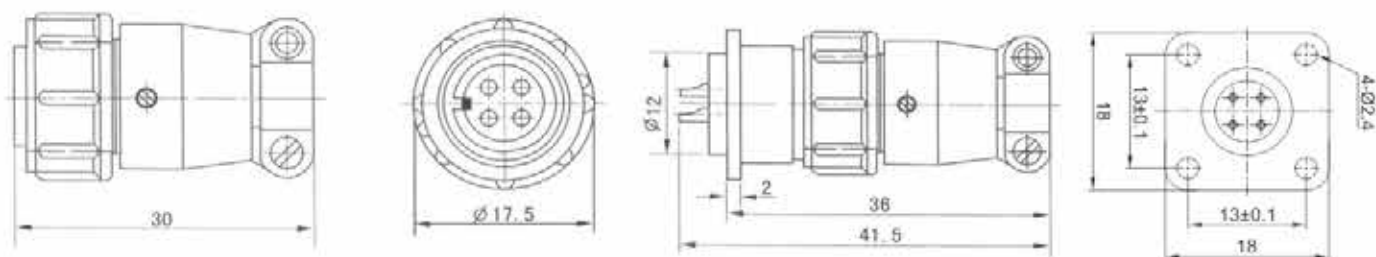
X series connector

型谱图

Insert arrangement



插头X12 4P PlugX12 4P



(2) 工作电压、电流、电阻 Main technical parameters

接触件直径 Diameter of contact (mm)	接触件电阻 Contact resistance (Ω)	工作电流 Working current (A)	电压 Voltage (≤400Hz)	
			接触对中心距 (mm) Contact centre distance	
			≥3.5	≥2.8
1	0.005	3	500V	400V
1.5	0.0025	10	500V	400V
2	0.0015	15	500V	400V
3	0.00075	30	500V	400V

注：根据连接器接触对数量，其每一接触对的额定电流规定如下：

接触对数目：1~20，为额定工作电流的100%

接触对数目：21~32，为额定工作电流的80%

接触对数目：33~55，为额定工作电流的70%

Attention: according to connectors of the contact amount, the rated current of each contact are following:

The amount of contact: 1~20, the rated current is 100%

The amount of contact: 21~32, the rated current is 80%

The amount of contact: 33~55, the rated current is 70%

(3) 试验电压 (50Hz) Experimental voltage(50Hz)

接触对中心距 Contact centre distance (mm)	正常条件下 Normal(V)	潮湿试验后 Moisture test(V)
≥3.5	1500	1000
2.8	1000	800

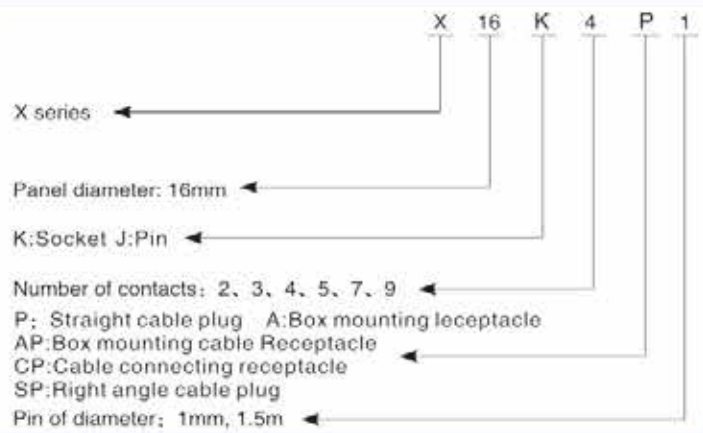
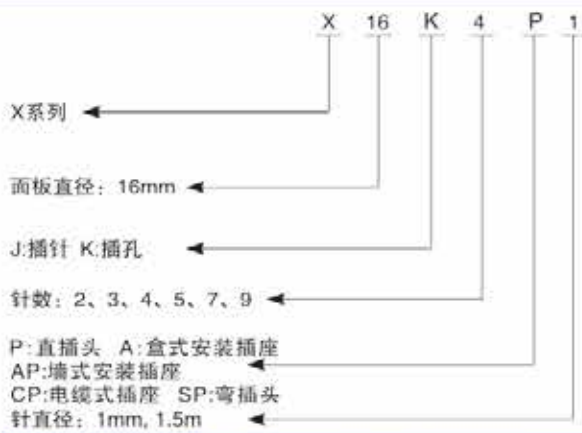
X16 防水连接器 X16 waterproof connector

X16防水连接器根据俄罗斯的2PM标准设计而成。此连接器具有体积小，重量轻，使用方便，螺纹连接，防水性能好，高导电性和高绝缘强度高耐久性。此设计有直形和弯形两种，面板直径16毫米，接触对有2,3, 4, 5, 7, 9针种。

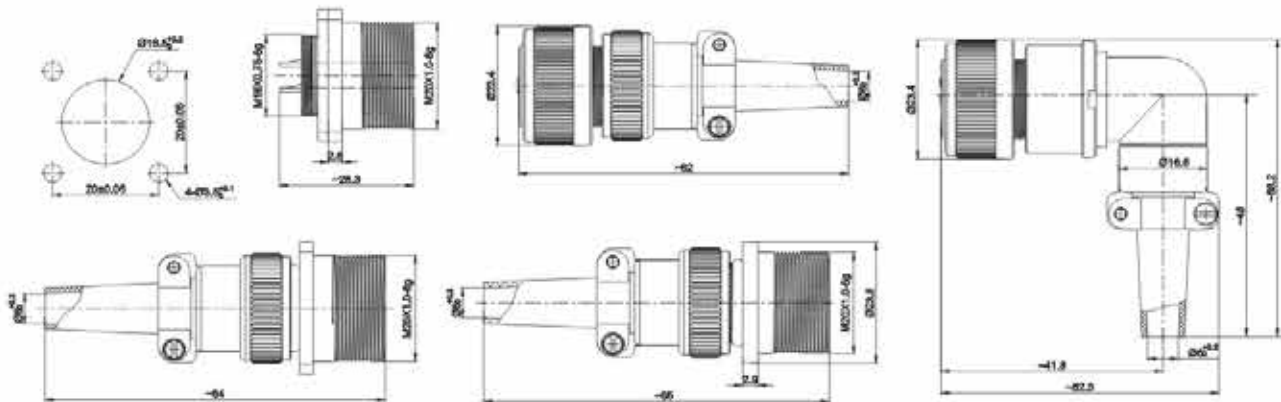
X16 waterproof connector is modified from Russian standard. These connectors have the features of small volume, light weight, convenient application, high durability of plugging and unplugging, threaded coupling, good sealing performance, high conductivity and high dielectric strength. Including straight and syphon, the diameter is 16mm, contact pair has 9 kinds, 2, 3, 4, 5, 7, 9pin.



命名 How to order



外形和安装尺寸 Exterior and fixing dimension



触点数目 No. of contacts	2	3	4	5	7	9
额定电流/电压 Rated Current/Voltage	10V-500V	10V-500V	10V-500V	5V-500V	5V-500V	5V-500V
工作电压(AC.V) Operatin Limit voltage	500V	500V	500V	500V	500V	500V
耐电压(AC.V) Withstanding voltage	1500V	1500V	1500V	1500V	1500V	1500V
绝缘阻抗(MΩ)DV500V Insulation resistance	2000	2000	2000	2000	2000	2000
接触阻抗(MΩ)DC 1A Contact resistance	2.5	2.5	2.5	5	5	5
接触直径 Contact Diameter	1.5	1.5	1.5	1.0	1.0	1.0

FQ型系列圆形电连接器

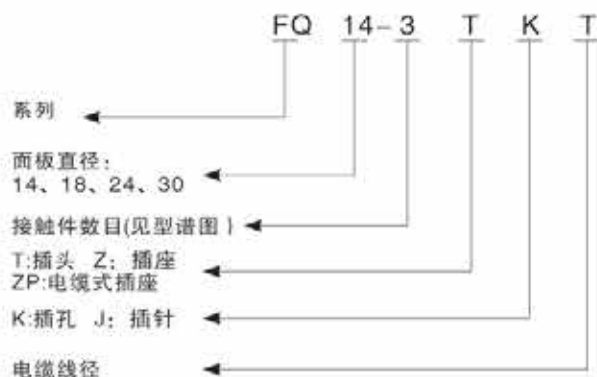
FQ 系列连接器 FQ series connector

FQ防水型系列圆形电连接器符合电子工业部元器件工业管理局批准DZ4Q/RE008-84制造。产品结构先进，可靠性高，体积小，重量轻，卡口快速连接，防水性能优良，操作使用简便。结构先进，电连接性能优良，价格低廉，性价比高。插针、插孔引线采用焊接式，产品被广泛用于各种电子仪器、电子、电气设备间有防水要求的电连接中。

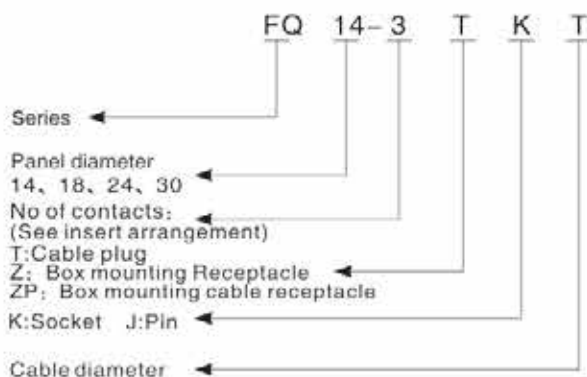
FQ series waterproof circular connectors accord with the standard DZ4Q/RE008-84, which is certificated by Ministry of the electronics industry-administrative bureau office. The product owns advanced structure, high dependability, small volume, light weight, excellent waterproof, and the bayonets are connected quickly. The pins and the down-lead of jacks are made by welding. As these characteristics, it's easy to operate and it make a low price which is more reasonable. it was widely used in electric connection among various kinds of electric equipments



命名



How to order



(1) 使用条件

- 工作温度：-55℃~+85℃
- 相对湿度：温度为40℃达93±3%
- 振动：频率10-200HZ，加速度150m/s²
- 碰撞：加速度490m/s²
- 恒加速度振动：加速度达245mm/s²
- 大气压力：达4.4KPa
- 机械寿命：500次
- 连接器应能在1米深的水中受30分钟的试验而连接器内部不进水

Service environmental condition

- Working temperature:-55℃~+85℃
- Relative humidity:It can reach 93±3% at 40 centigrade
- Vibration:Frequency 10-200HZ,acceleration 1500m/s²
- Collision:Acceleration 490m/s²
- Permanent acceleration vibration:The acceleration reaches 245mm/s²
- Atmospheric pressure:Reach4.4KPa
- Mechanical life-span:500 times
- The connector should be dipped one meter in water for 30 minutes test, without the water drop in

(2) 工作电压、电流、电阻 Main technical parameters

接触件直径 Diameter of contact (mm)	接触件电阻 Contact resistance (Ω)	工作电流 Working current (A)	电压 Voltage (≤400HZ)	
			接触点中心距 (mm) Contact centre distance	
			≥3.5	2.8
0.8	0.01	2	500	400
1	0.005	3	500	400
1.5	0.0025	10	500	400
2.5	0.001	15	500	400

注：根据连接器接触对数量，其每一接触对的额定电流规定如下：

接触对数目：1-20，为额定工作电流的100%
接触对数目：21-32，为额定工作电流的80%
接触对数目：33-55，为额定工作电流的70%
Attentions:according to connectors of the contact amount,the rated current of each contact are following:
The amount of contact:1-20,the rated current is 100%
The amount of contact:21-32,the rated current is 80%
The amount of contact:33-55,the rated current is 70%

FQ 系列连接器 FQ series connector

FQ型系列圆形电连接器

(3) 试验电压 (50HZ) Experimental voltage(50HZ)

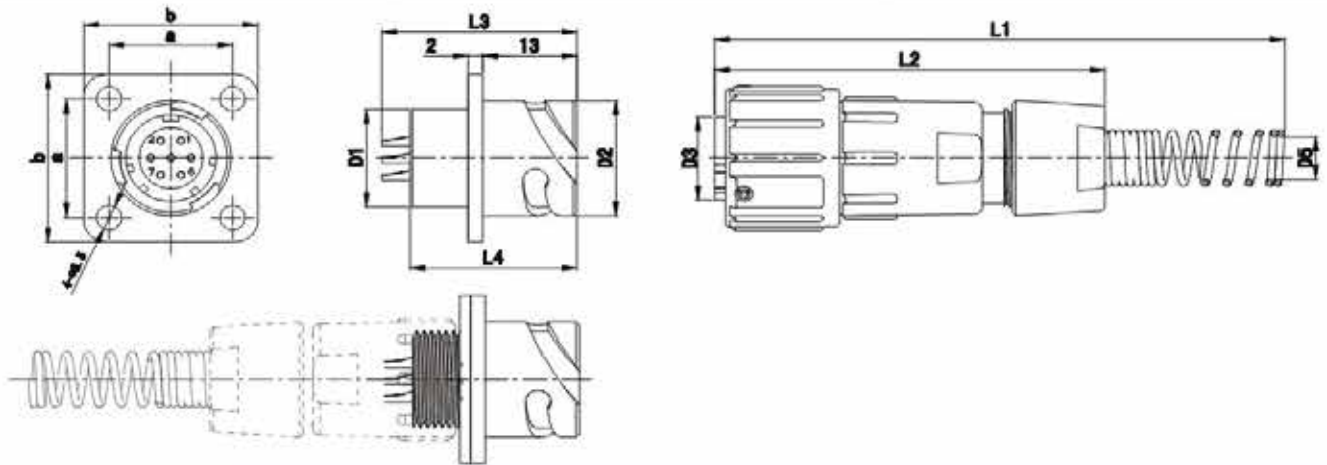
接触对中心距 Contact centre distance (mm)	正常条件下 Normal(V)	潮湿试验后 Moisture test(V)
≥3.5	1500	1000
2.8	1200	800

(4) 低气压条件下的试验电压 (50HZ) Experimental voltage under low pressure

大气压力 Atmospheric pressure(kPa)	接触对中心距 Contact centre distance (mm)	
	≥3.5	≥2.8
46.7	1000V	730V
8.5	500V	400V
4.4	400V	300V

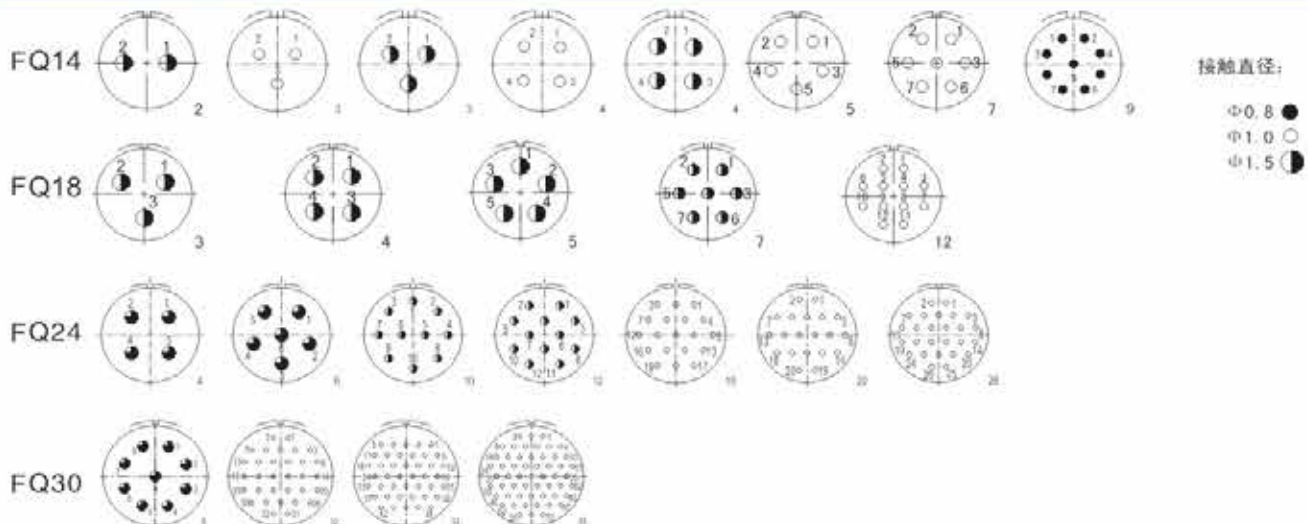
(5) 绝缘电阻 Insulation resistance

正常条件下 Normal(V)	高温条件下 High temperature	潮湿试验后 Moisture test(V)
≥500MΩ	≥500MΩ	≥100MΩ



类型	Type	安装及外型尺寸 Fixing and exterior dimension										
		a	b	D1	D2	D3	D4	D5	L1	L2	L3	L4
FQ24		26 ± 0.20	33	Φ24 ^{+0.2} _{-0.2}	Φ27.2	Φ22.6	Φ24.5	Φ6/Φ10/Φ12	93	62	26	23
FQ18		20 ± 0.20	27	Φ18 ^{+0.2} _{-0.2}	Φ20.7	Φ16.6	Φ18.5	Φ6/Φ7/Φ8/Φ9/Φ10	84	58	24	23
FQ14		17 ± 0.20	24	Φ14 ^{+0.2} _{-0.2}	Φ16.8	Φ12.4	Φ14.5	Φ6/Φ7/Φ8	80	53	26	25

型普图 Insert configuration



XK系列小圆形卡口式电连接器

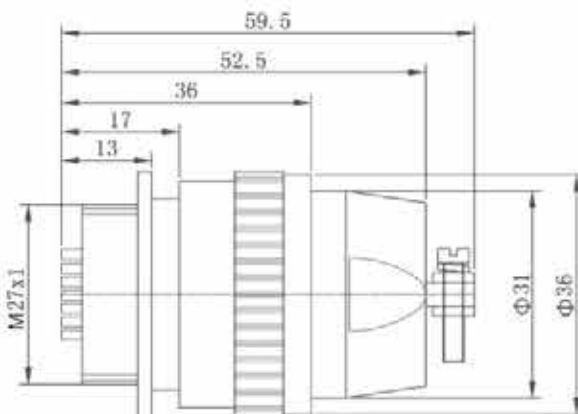
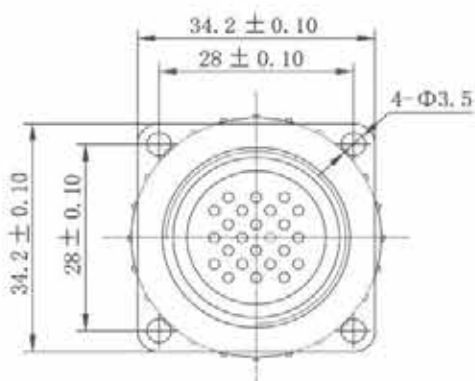
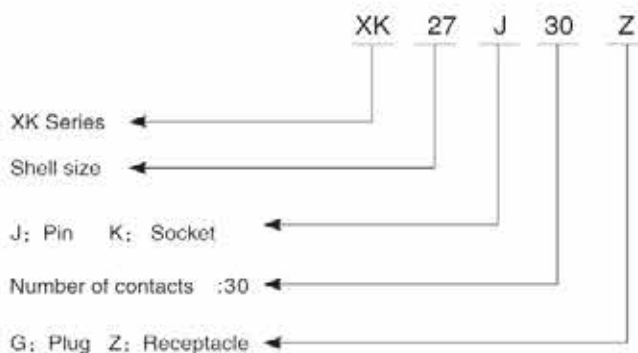
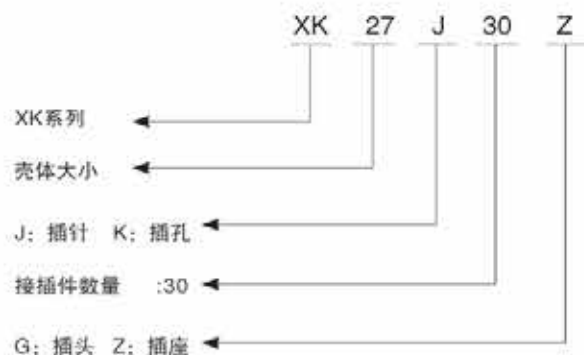
XK 系列连接器

XK series connector

XK系列小圆形卡口式电连接器，插头与插座采用卡口连接方式，连接与分离简便迅速，广泛用于航空及其它军用、民用领域中高温环境条件下工作的电气线路的电连接，军用设备及导弹反射架的电气、冷气管气路间的连接。

XK series bayonet connectors easy to connect and separate the connectors widely used in airline, military, civil work in high temperature condition, military equipments, missile launcher and cold air ducts

命名 How to order



使用条件及主要性能

- 工作温度: -55℃~+150℃
- 相对湿度: 温度为40℃, 达98%
- 振动: 频率10-2000HZ, 加速度98m/s²
- 恒加速度振动: 加速度达245m/s²
- 大气压力: 达2.3KPa
- 机械寿命: 500次

Service environmental condition

- Working temperature: -55℃~+150℃
- Relative humidity: Temperature is 40 degrees Centigrade reach 98%
- Vibration: Frequency 10-2000Hz, acceleration 98m/s²
- Permanent acceleration vibration: The acceleration reaches 245m/s²
- Atmospheric pressure: Reach 2.3KPa
- Mechanical life-span: 500 times

C16 系列连接器 C16 series connector

C16圆形连接器的设计可用于各种恶劣的工作环境。接线方式有螺丝固定接线和焊接以及压接等几种。外壳采用PA66，针孔镀金或镀银。

C16 circular connectors are designed to meet the high requirements of industrial applications under harsh environmental conditions. The range includes versions with screw, solder and crimp terminations. Housing material adopt PA66, Contacts material is gold plated or silver plated over brass.



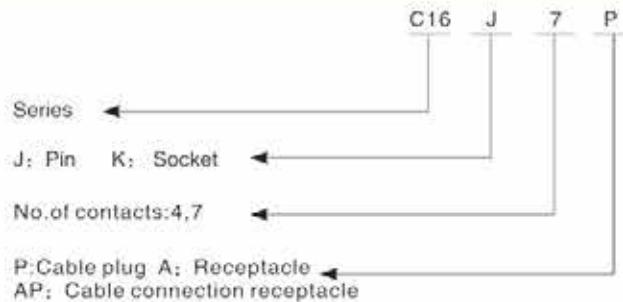
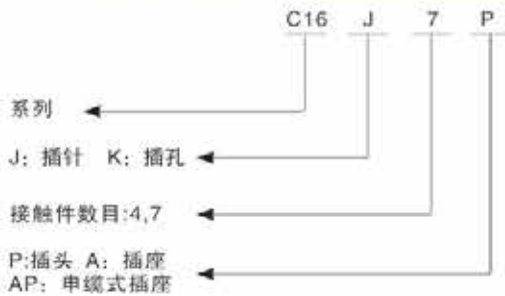
使用条件及主要性能

- 环境温度: -45°C ~ 85°C
- 相对湿度: 温度为 40°C 时可达93%
- 振动: 振频10~500Hz。加速度达 100m/s^2
- 冲击: 加速度时达 250m/s^2
- 寿命: ≥ 500 次
- 额定电流A: 10A
- 工作电压 (AC.V.rms): 400V
- 耐压 (AC.V): 1500
- 接触电阻 $\text{m}\Omega$: $2.5\text{m}\Omega$
- 绝缘电阻 $\text{M}\Omega$: $2000\text{M}\Omega$

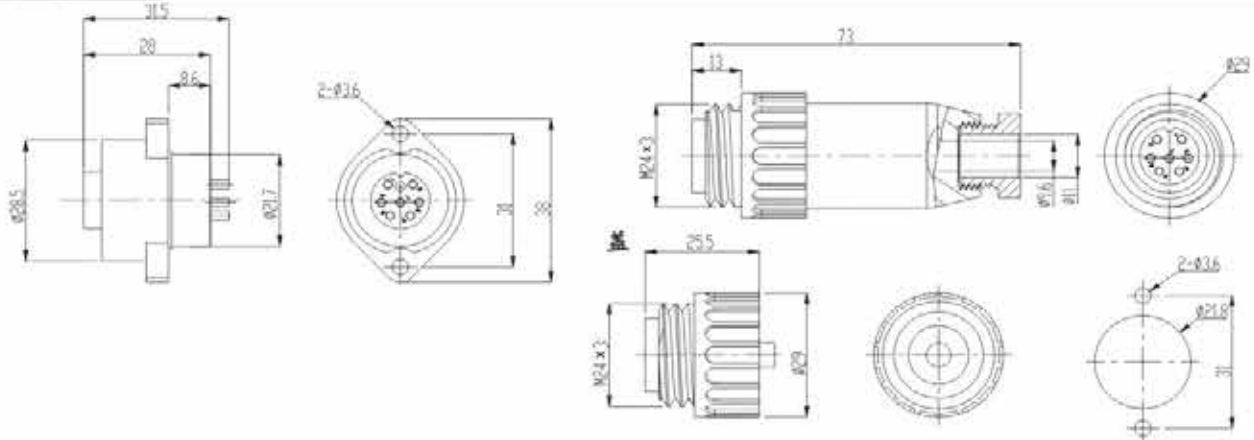
Service environmental condition

- Ambient temperature: -45°C ~ $+85^{\circ}\text{C}$
- Relative humidity: if the temperature is 40°C it can reaches 93%
- Libration: Libration frequency 10~500Hz acceleration reaches 100m/s^2
- Concussion: Acceleration reaches 250m/s^2
- Life duration: ≥ 500 times.
- Rated current: 10A
- Working voltage 400V
- Withstanding voltage: 1500V
- Contact resistance: $2.5\text{m}\Omega$
- Insulation resistance: $2000\text{M}\Omega$

命名 How to order



总览 Overview	触点数 No. of contacts	接线方式 Termination	线规 Wire gauge	额定电压 Rated insulation voltage	额定电流 Current carrying capacity	污染等级 Pollution degree	防护等级 Protection
	3+PE	螺丝接线 Screw	max 2.5mm AWG 14	400v	16A	3	Ip67
	6+PE	压接 Crimp	max 1.5mm AWG 16	200v	13A	3	Ip67



XS12 系列连接器

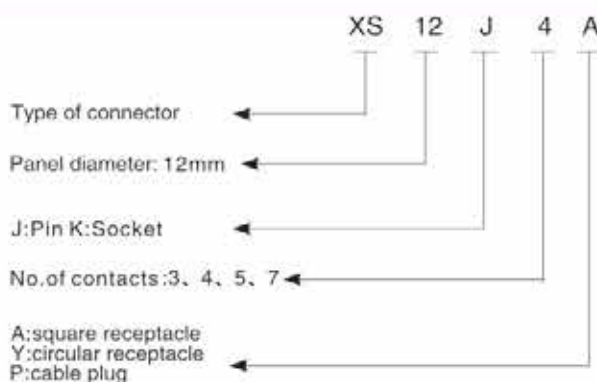
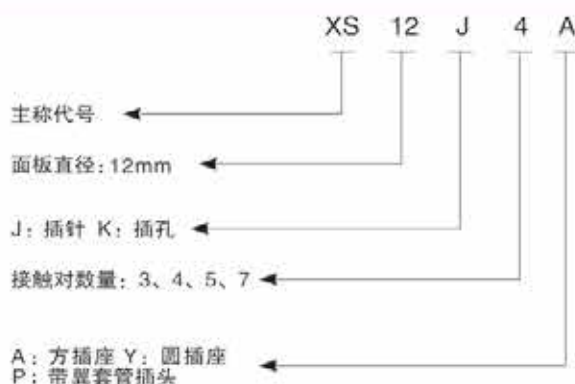
XS12 series connector

XS12型连接器的外壳配合直径为12mm，接触对有3、4、5、7芯四种。插头分为线夹固定式和橡胶护套固定式二种。插座分为方形和圆形二种，可直接安装在面板上使用。连接器的外壳为铝合金，表面镀镍，外型小巧美观。连接形式为推拉式钢球锁定，插拔迅速方便。本产品适用于各种仪器仪表、电子设备等交流电路的连接。

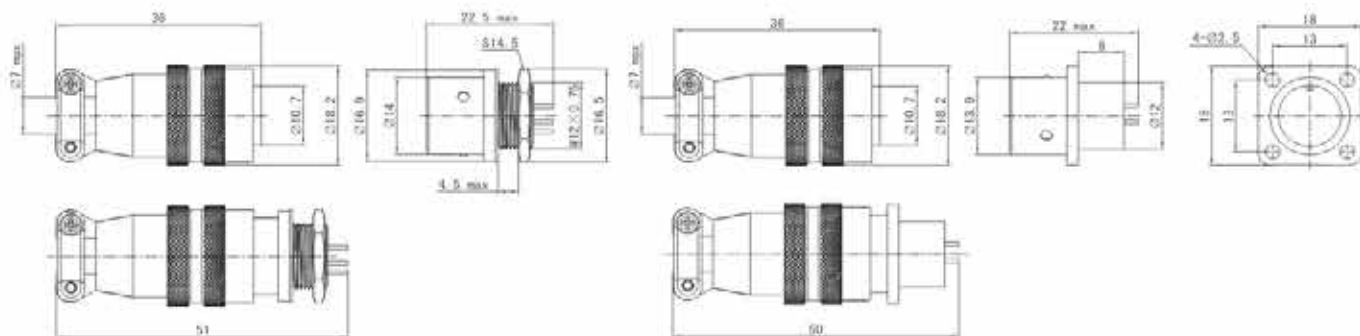
XS12 series push pull connector panel mounted size is 12mm, contact quantity are subdivided into 4 kinds of 3, 4, 5 and 7 pins. The plug has two types. One is cable plug, the other is with rubber sleeve. The socket has two shapes, square and circular. Both of them can be directly mounted. The connector is compact and has a nice looking appearance, quick and easy for inserting and withdrawing. Products are suitable for connection of both A.C. and D.C. circuits of various instruments and electronic equipments.



命名 How to order



安装尺寸 Fixing dimension



主要技术性能

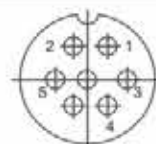
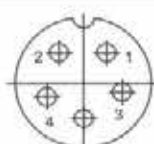
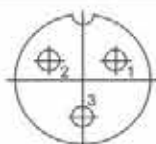
- 环境温度: -55~+85℃
- 相对湿度: 温度为+40℃时, 达93%
- 绝缘电阻: 大于等于1000MΩ
- 试验电压: 1000V
- 额定电流: 3A
- 额定电压: 250V
- 振动: 振频为0~500Hz, 加速度达100m/s²
- 碰撞: 加速度达250m/s²
- 机械寿命: 500次

Main technical features

- Ambient temperature: -55~+85℃
- Relative humidity: Temperature is 40 centigrade reach 93%
- Insulated resistance: normal temperature ≥ 1000MΩ
- Experimental voltage: 1000V
- Rated current: 3A
- Rated voltage: 250V
- Vibration: Frequency 0~500Hz, reach 100m/s²
- Collision: Acceleration 250m/s²
- Mechanical life: 500 times

孔组排列 Insert arrangement

接触点数目
Number of contact



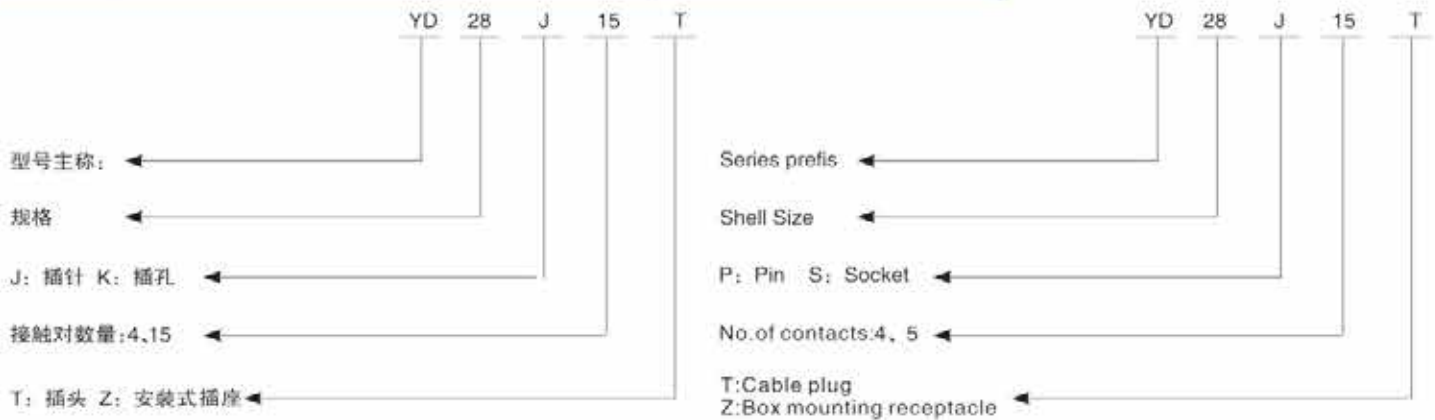
YD 系列连接器 YD series connector

YD圆形电连接器适用于伺服电机的动力和控制线路的电气连接。有接地装置可防水防尘。符合GB5226-85标准。

YD series circular connector special designed for electrical connection of the servo motor power and control lines. Has grounding device, waterproof and dustproof. Comply with GB5226-85 standard.



YD型号规格标示 YD series part number explanation



接触对直径 Contact diameter	额定电流 Rated current	接触电阻 Contact Resistance
Φ 1.5	10A	≤0.0025
Φ 2.5	25A	≤0.001
Φ 3.5	50A	≤0.0005

主要技术性能

- 额定电压: 400V
- 绝缘电阻: ≥2000 MΩ
- 试验电压: 2000V
- 振动: 100m/S²
- 插拔寿命: 500次
- 环境湿度: -45℃ +85℃
- 相对湿度: 93% +40℃

Main technical features

- Rated Voltages: 400V
- Insulation Resistance: ≥ 2000MΩ
- Test Voltage :2000V
- Vibration: 100m/S²
- Life duration: 500 times
- Ambient humidity: -45℃ to +85℃
- relative humidity: 93% +40℃

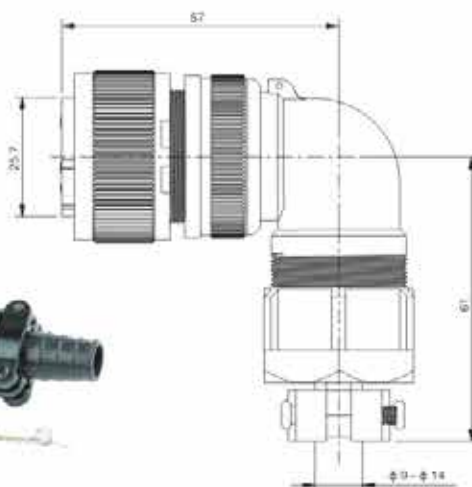
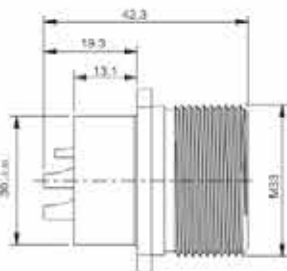
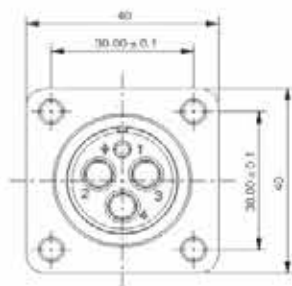
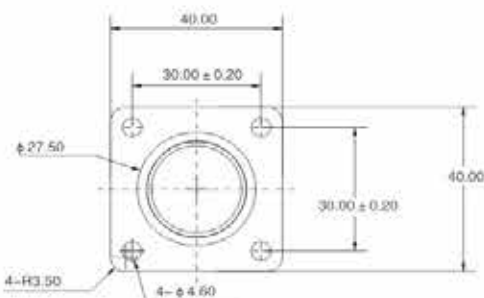
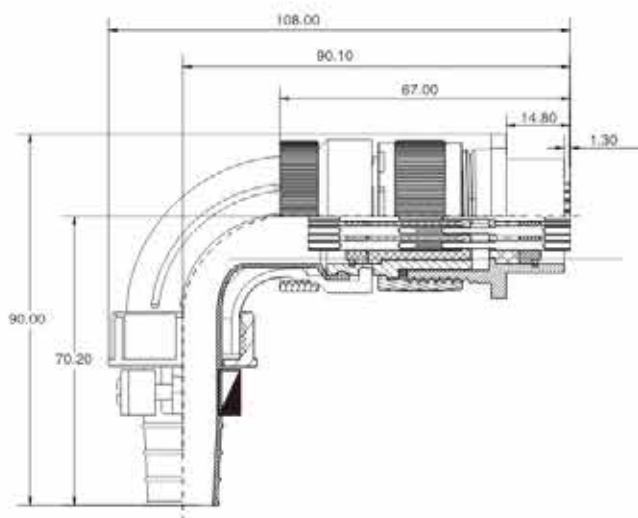
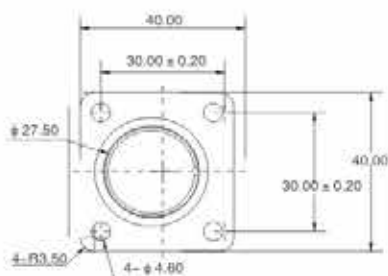
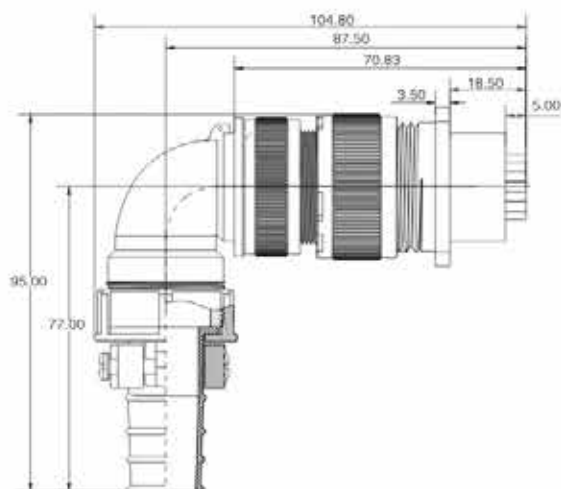
芯数排布图 Contacts arrgement

绝缘体端面为插针 (J) View from mating face of pin contacts(P)

芯数 Qty. of contacts	4	15
排列图 Contacts arrangement		
接触对直径 × 数量 contact diameter and number	Φ 2.5 × 1 Φ 3.5 × 3	Φ 1.5 × 15
额定电压 (V) Rated voltage	400	250
耐压 (V) Withstand voltage	3000	2500

YD 系列连接器

YD series connector



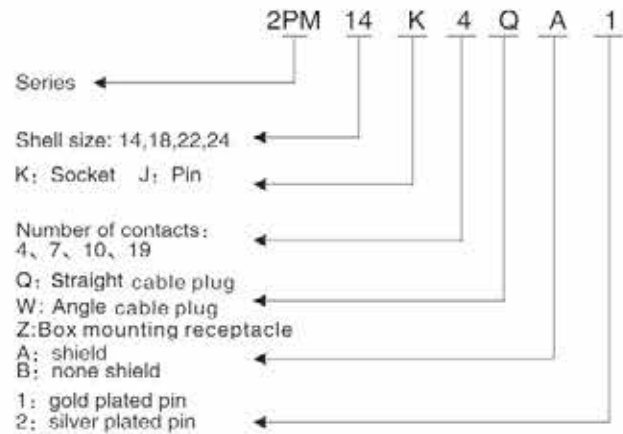
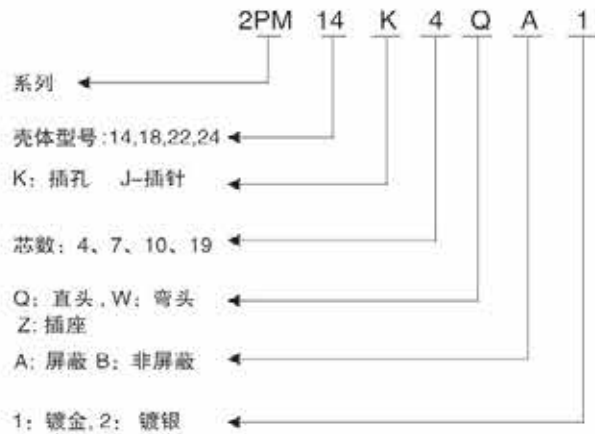
2PM 系列连接器 2PM series connector

2PM系列俄式军用连接器，主要是采用了俄罗斯军用连接器的技术，其广泛用于军用设备之间的电连接和信号传输，其独有的外形及结构设计能弥补很多其他类似连接器在用途上的缺陷，例如外壳穿孔及尾部螺丝的独特设计，使起运用当中更加便利科学。内部绝缘体及插针插孔的结构设计也增强了其独有的稳定及可靠性，此系列连接器同时也具备一定的防水性能，可以防止室外雨淋等现象，其特殊的结构和性能已经赢得了市场的普遍认可。

2PM Russian type military connector, which is made according to the Russian Military Standard, widely used for the electricity connection and signal transfer, it's special structure and design can avoid the shortage of other similar connectors, for example, the screw & hole for the wire on the outer shell, it can used more convenient. The inner insulation and pins structure are also enhance its stability and reliability, this series of connectors can also be waterproof, so it can used on outdoor equipments, Its special design and characteristics have got good reputation from the market.



命名 How to order



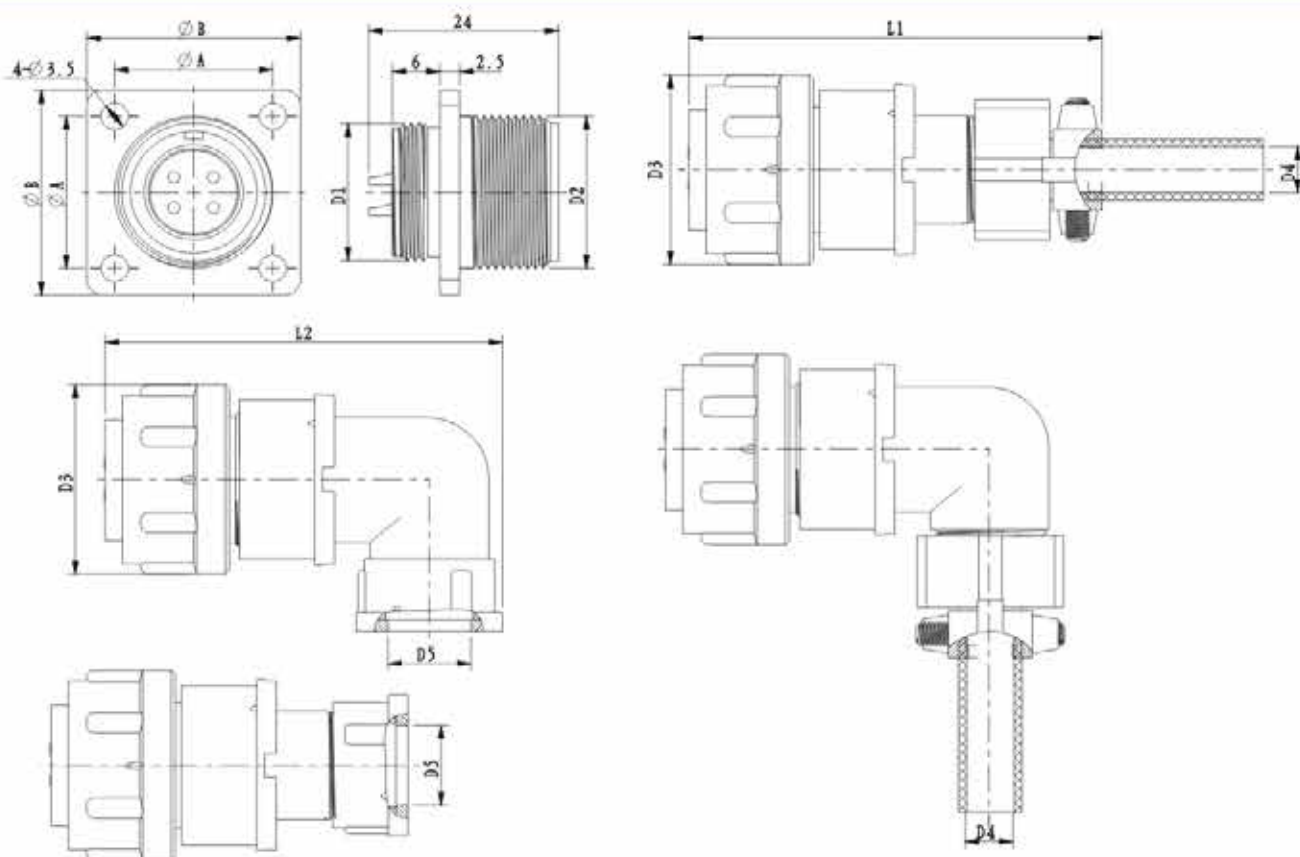
技术性能 Technical characteristics

工作温度 Temperature	大气压力 Atmosphere	振动 Vibration	工作电流 Working Current	工作电压 Working Voltage	接触电阻 Contact resistance	绝缘电阻 Insulation Resistance
-60℃ ~ +150℃	133.37 × 10 ⁻¹² Pa	10-200 Hz, 10g	φ 1.0-5A φ 1.5-10A	400V (AC)	φ 1.0-0.005 Ω φ 1.5-0.0025 Ω	Normal ≥ 20 MΩ Moistheat ≥ 2 MΩ

2PM 系列连接器

2PM series connector

外形示意图 Dimensions



产品型号	ΦA	ΦB	D1	D2	D3	D4	D5	L1	L2
2PM14	17	24	M14x1	M16x1	22.3	4	6.3	52.5	48
2PM18	20	27	M18x1	M20x1	24.8	6.5	10.3	52.5	52
2PM22	23	30	M22x1	M24x1	29	11.5	14.5	56	56
2PM24	26	33	M24x1	M27x1	32	12.5	16.5	62.5	62.5

接触对位置

接触体尺寸
图样

$\phi 1$
 $\phi 1.5$
 $\phi 2$
 $\phi 3$

壳外号	14	18	22	24
排列组合号	4	7	4	10
		4	10	20

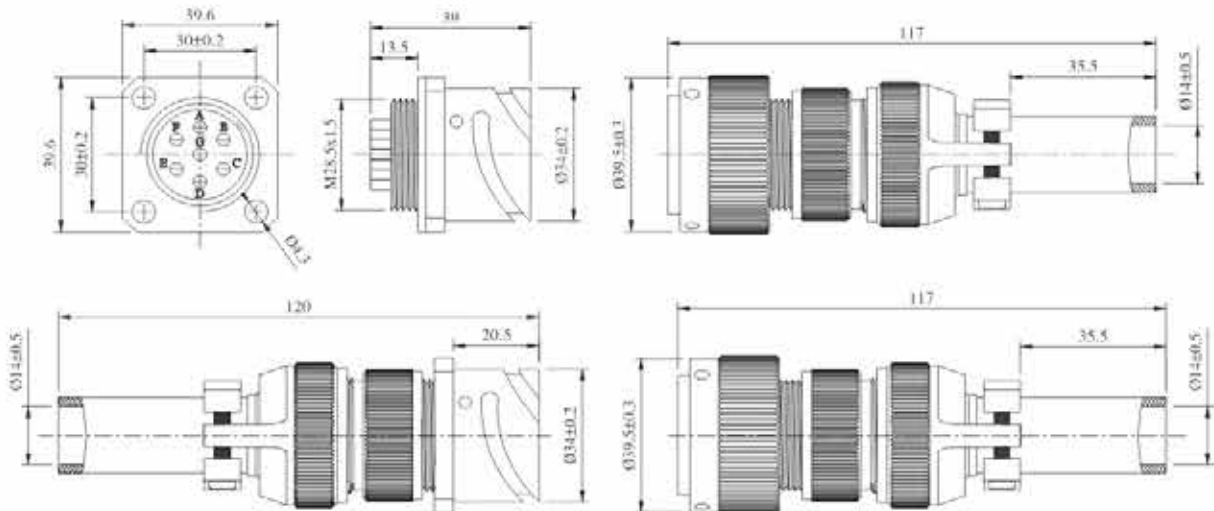
JL5 系列连接器 JL5 series connector

JL5系列圆形电连接器的接触件为切槽收口，为保证触件的可靠性，插孔的外层套有自然导向的不锈钢护套，使产品具有接触电阻小，使用寿命长，接触性可靠等优点，产品主要技术指标符合铁道部标准TB/T2716-1996。该系列电连接器插头与插座连接方式为卡口连接，连接速度快，使用方便，产品被广泛用于铁路机车中电气及电子设备中的连接。根据用户要求，插头，插座既可装针，也可装孔。

JL5 Series circular connectors are made according to Ministry of Railway standard TB/T2716-1996. The connector's socket is covered with guided stainless sleeve and allows the connector to have the advantages of low contact resistance, long endurance, etc. The connection type between the plug and the receptacle is bayonet coupling with quick mating and easy use. This connector is widely used for the connection of electrical equipment of rail train. The plug or the receptacle may be mounted with both pins and sockets.



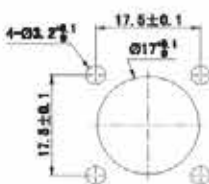
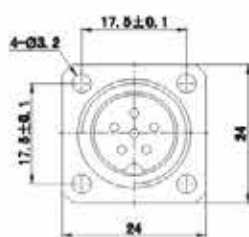
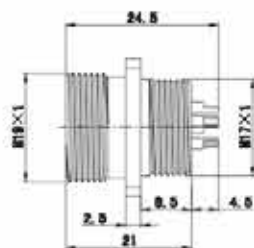
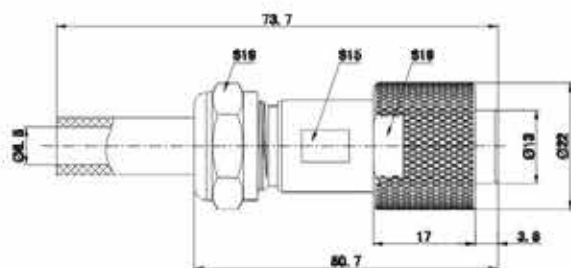
接触件位置 Insert arrangement					
芯数 Number of contacts	3- ϕ 2.4	4- ϕ 2.4	7- ϕ 2.4	14- ϕ 1.6	19- ϕ 1.6
TK孔头:female cable plug TJ公头:male cable plug	JL5-3TJ JL5-3TK	JL5-4TJ JL5-4TK	JL5-7TJ JL5-7TK	JL5-14TJ JL5-14TK	JL5-19TJ JL5-19TK
ZK母座:female receptacle ZJ公座:male receptacle	JL5-3ZK JL5-3ZJ	JL5-4ZK JL5-4ZJ	JL5-7ZK JL5-7ZJ	JL5-14ZK JL5-14ZJ	JL5-19ZK JL5-19ZJ



技术性能 Technical characteristics

相对湿度 Temperature	-55℃ - +125℃	接触件直径 Contacts diameter	额定 电流 Current	接触电阻 Contact resistance
相对湿度 Relative Humidity	$\pm 40 \pm 2^\circ\text{C}$ 时, 达90%-95%	$\phi 1.6$	10A	$\leq 0.05\text{m}\Omega$
工作气压 Atmosphere	101PA - 6.7PA	$\phi 2.4$	25A	$\leq 0.0025\text{m}\Omega$
震动 Vibration	50 - 2000Hz, 294m/S ²	工作环境 Environment	额定电压 Voltage	耐电压 Voltage proof
碰撞 Shock	40-80次/min, 80m/S ²	正常条件下 Normal	500V	2000V
机械寿命 Endurance	500次	高温条件下 High temperature	500V	500V
		低气压条件下 Low pressure	500V	150V

FQX 系列防水连接器 FQX waterproof connector



技术特性

- 防护等级: IP67
- 面板直径: 18mm
- 连接方式: 螺纹连接
- 芯 数: 6pin
- 额定电压: 1200V
- 工作电流: 10A
- 接触电阻: ≤5mΩ

Electrical Characteristics

- Ingress protection class: IP67
- Shell size: 18mm
- Fastening Type: Threaded
- Contact number: 6pin
- Rated voltage: 1200V
- Working Current: 10A
- Contact resistance: ≤5mΩ

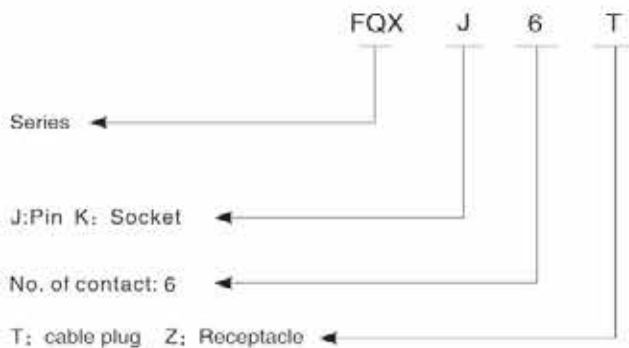
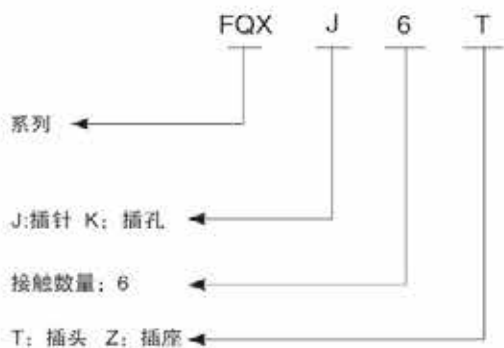
产品材料

- 外壳材料: 黄铜镀镍
- 绝缘体材料: PBT
- 插针: 黄铜镀金

Products materials

- Housing material: Brass, nickel plating
- Dielectric material: PBT
- Contact material: Brass Gold plating

命名 How to order



PC 系列连接器

PC series connector

PC型小圆形电连接器

PC型小圆形电连接器体积小,金属铝合金外壳,重量轻,螺纹连接,电连接可靠,使用方便,目前有4、7、10、19芯,通用俄罗斯的PC产品及国内同类仿制产品,其中4、7芯与Y4M-4、7芯的安装尺寸相同,是Y4M的良好替代品。广泛应用于各种电子仪器、电气设备间的电连接。安装方式有法兰盘式和电缆式两种。

PC series circular connectors have the features of small size, light weight, convenient application with threaded-coupling connection. It can be interchanged with Russian type PC, They are widely used for the electrical connection between electrical equipments and instruments.



材料

壳体材料: 铝合金
接触件: 铜合金(镀银或镀金)
安装板绝缘体: 热塑性塑料
机械寿命: 500次

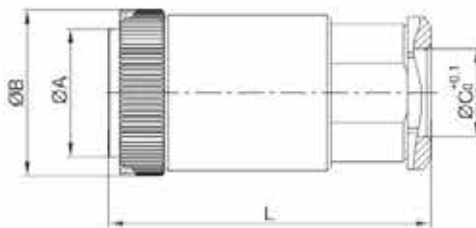
Material:

Shell material: aluminum alloy
Contacts: copper alloy / gold plated/Silver plated
Insulator material: thermoset plastic
Endurance: 500 cycles

技术特性 Technical characteristics

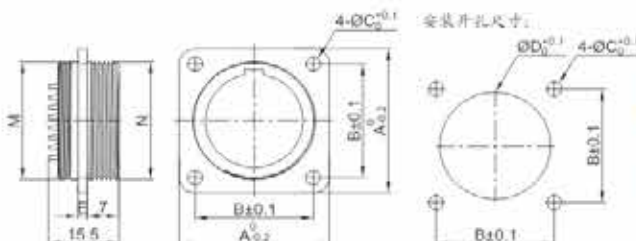
工作温度 Temperature	相对湿度 Relative humidity	大气压力 Atmosphere	振动 Vibration	使用寿命 Endurance
-40℃~ +105℃	(92~98)% at40±2℃	101.33KPa~6.67Pa	10~2000Hz 196m/s ²	500 cycles
工作电流 Working Current	工作电压 Working Voltage	接触阻 Contact resistance	插针直径 Contact diameter	
3A	200V	≤8mΩ	φ1mm	

母插头 Female cable plug



型号 Part Number	A	B	C	L
PC-4T	8	14	6	33.4
PC-7T	10	16	8	35
PC-10T	12	18	9	37.8
PC-19T	15.5	22	11	40.6

公插座 Male receptacle



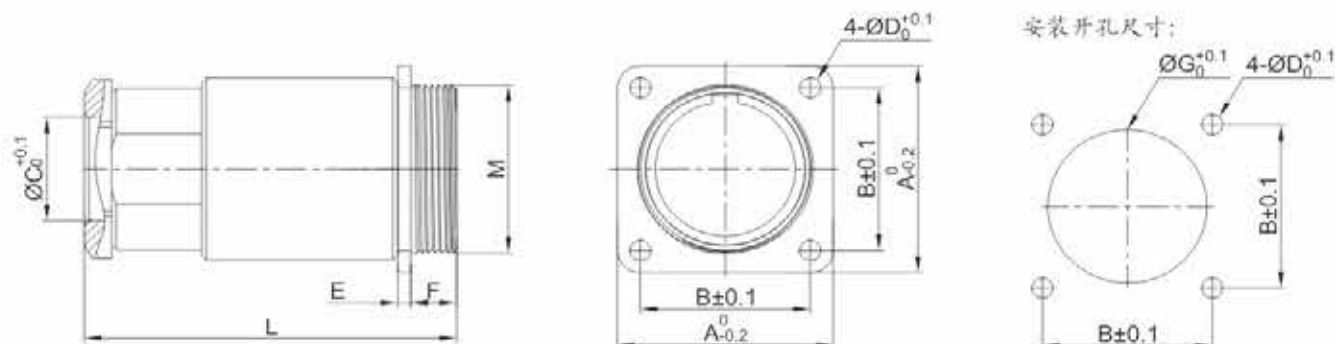
型号 Part Number	A	B	C	D	E	M	N
PC-4Z	16.5	12	2.2	10	1.4	M10×0.75	M10×0.75
PC-7Z	18	13.2	2.2	12	1.4	M12×0.75	M12×0.75
PC-10Z	20	15	2.2	14	1.4	M14×0.75	M14×0.75
PC-19Z	25	18.5	2.2	18	1.5	M18×0.75	M18×1.0

PC型小圆形电连接器

PC 系列连接器

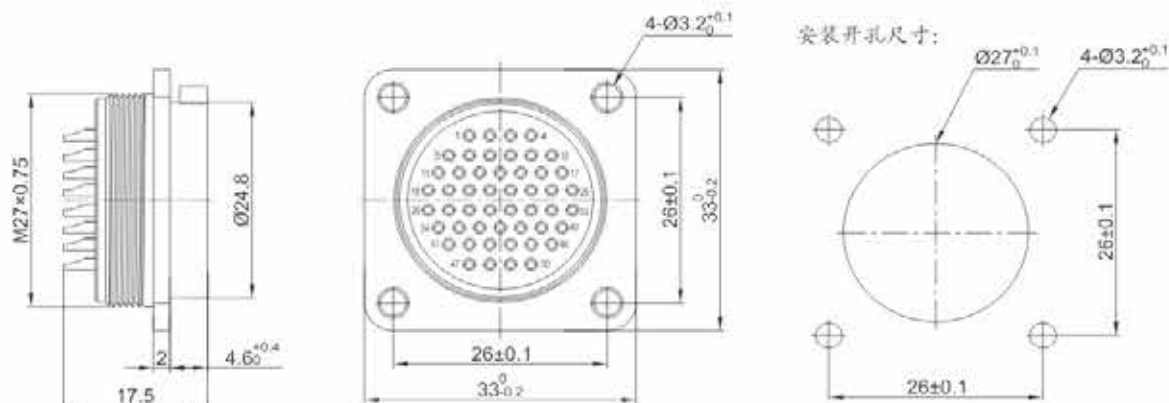
PC series connector

电缆式插座 Box mounting cable receptacle

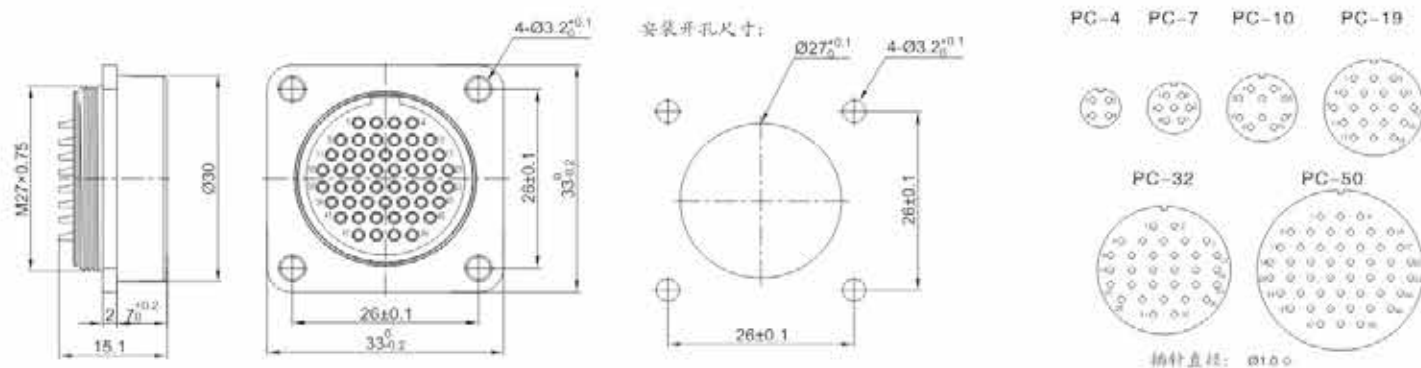


型号 Part Number	A	B	C	D	G	M	E	F	L
PC-4ZP	16.5	12	6	2.2	10	M10×0.75	1.4	7	34
PC-7ZP	18	13.2	8	2.2	12	M12×0.75	1.4	7	36
PC-10ZP	20	15	9	2.2	14	M14×0.75	1.4	7	39
PC-19ZP	25	18.5	11	2.2	18	M18×1.0	1.5	7	41

PC-50芯直式面板插头 PC-50 Pins straight panel plug



PC-50 芯直式面板插座 PC-50 Pins panel receptacle



C091 系列防水连接器 | C091 waterproof connector

C091系列连接器芯数范围从3芯到8芯, 连接方式为螺纹式, 接触件——针孔有焊接式、压接式和PCB式, 针孔镀金。此系列连接器能防止电磁干扰, 防护级别为 IP67, 通用 AMPHENOL DE C091 系列和 BINDER 的 423 系列, 符合 DIN45326 标准, 产品主要应用于工业控制、数据处理设备、测试和医疗仪器、通信、网络设备, 测试以及户外或航海等场合。目前产品正被广泛应用于 3G 网络。

C091 series connectors are available with 3-8 contacts, threading coupling, it can exchangeable with Amphenol C 091 A /B/D & Binder 423 series. Meet DIN45326 standard. All connectors of C091 series are EMI protected and IP 67 proof. Main applications for C091 connectors are industrial controls, data processing, instrumentation, medical devices, telecommunication network and equipment, outdoor and marine application. Cable connector main applications for 3G Tower Mounted Amplifier, Base Stations.



命名 How to order

C091	31H	008	J	C	001
主称代号	连接器类型				
31H-公头					
31D-母头					
31G-母座					
31C-公座					
31S-方形法兰插座					
61G-密封母座					
接触件数目:					
3, 4, 5, 6, 7, 8, 24					
接触件类型					
J-焊接式 K-压接式					
C-防尘盖 不标-无防尘盖					
新增数: 001, 002,					

C091	31H	008	J	C	001
Basic Series	Connectors type				
male plug					
31D-female plug					
31G-female receptacle					
31C-male receptacle					
31S-Square flange receptacle					
61G-Sealed female receptacle					
No. of contacts					
3, 4, 5, 6, 7, 8, 24					
Contacts type					
J-Soldering type					
K-Crimping type					
C-Metal Cover					
Omit without cap					
Adding new type 001, 002,					

技术特性

- 额定电压: 100V
- 额定抗脉冲电压: 1200V
- 污染等级: 1
- 安装类型: 1
- 测试电压: 670V
- 额定电流: 5A/+40°C/+104° F
- 绝缘电阻: > 10¹²Ω
- 接触阻抗: <5mΩ
- 温度范围: -40°C ~ +85°C/40° F ~ 185° F
- IP 等级: IP67
- 插拔力: 60N
- 机械操作: 镀银 ≥ 500 次插拔 镀金 ≥ 1000 次插拔
- 绝缘体材料: 绝缘体 PA66
- 密封圈材料: 橡胶
- 接触件电镀: 镀银/镀金
- 接触件类型: 焊接
- 线规: 焊接 ≤ 0.5mm² (20-26AWG)
- 锁定系统: 金属螺纹连接

Electrical Characteristics

- Rated voltage: 100V
- Rated impulse withstand voltage: 1200V
- Pollution degree: 1
- Installation category: 1
- Test voltage: 670V
- Current rating: 5A/+40°C/+104° F
- Insulation resistance: > 10¹²Ω
- Contact resistance: <5mΩ
- Climatical Characteristics:
- Temperature range: -40°C...+85°C/40° F...185° F
- IP-degree: IP67/IP65
- Insertion and with drawl forces: 60N
- Mechanical operation: Silver plated ≥ 500 mating cycles
Gold plated ≥ 1000 mating cycles
- Dielectric material: PA66
- Sealing material: silicone rubber
- Contact plating: Silver plated/gold plated
- Termination technique: solder crimp
- Wire gauge: ≤ 0.5mm² (20-26AWG)
- Locking system: metal screw coupling

C091 系列防水连接器

C091 waterproof connector

性能参数

适用温度 Temperature	相对湿度 Relative humidity	振动 Vibration	冲击 Shock	机械寿命 Endurance
-55℃~+85℃	90~95% at 40 Deg C	10~1000Hz 196m/s ²	490m/s ²	1000 次插拔 1000 cycles

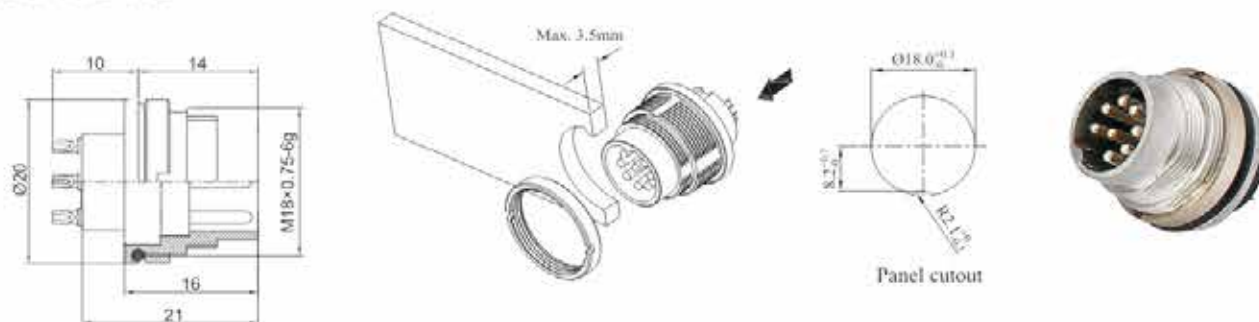
C091-31D-008



C091-31H-008

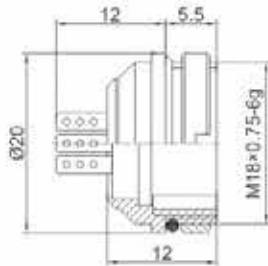


C091-31C-008

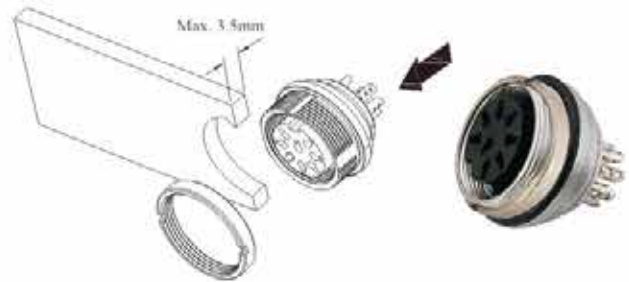
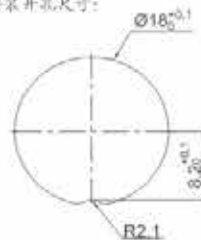


C091 系列防水连接器 | C091 waterproof connector

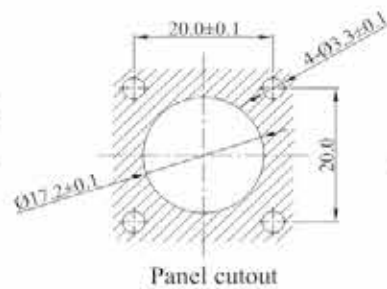
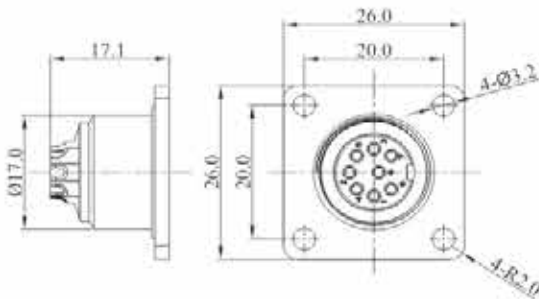
C091-31G-008



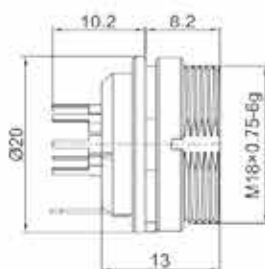
安装开孔尺寸:



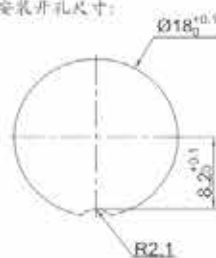
C091D-31S-008



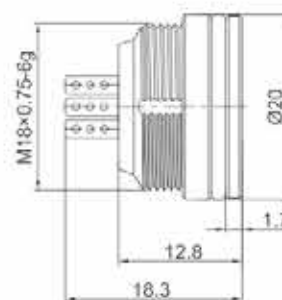
C091-31C-008J 公插座



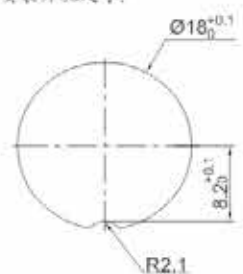
安装开孔尺寸:



C091 31G 008-001 母插座

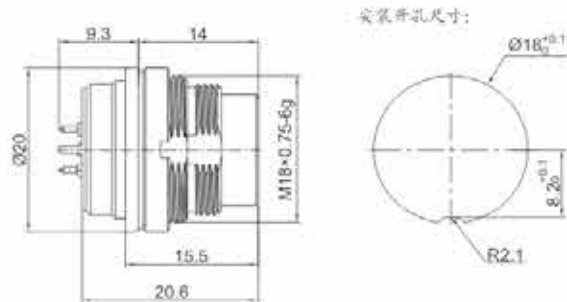


安装开孔尺寸:

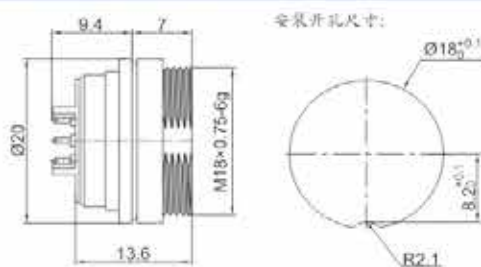


注: C091 31C 005J插座 标准款为(PCB插针、密封、带接地)
Note: C091 31C 005J Panel receptacle our standard products
(PCB mounting, sealed with grounded spring)

C091 31C 005J

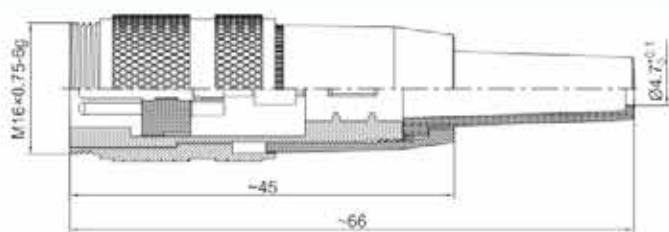


C091 61G 005J

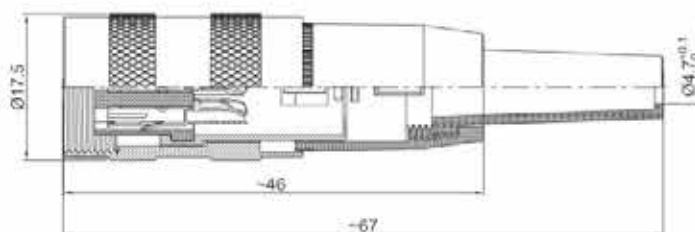


注: C091 61G 008J插座 标准款为(PCB插针、密封、带接地)
Note: C091 61G 008J Panel receptacle our standard products (PCB mounting, sealed with grounded spring)

J091-31D-024J插头

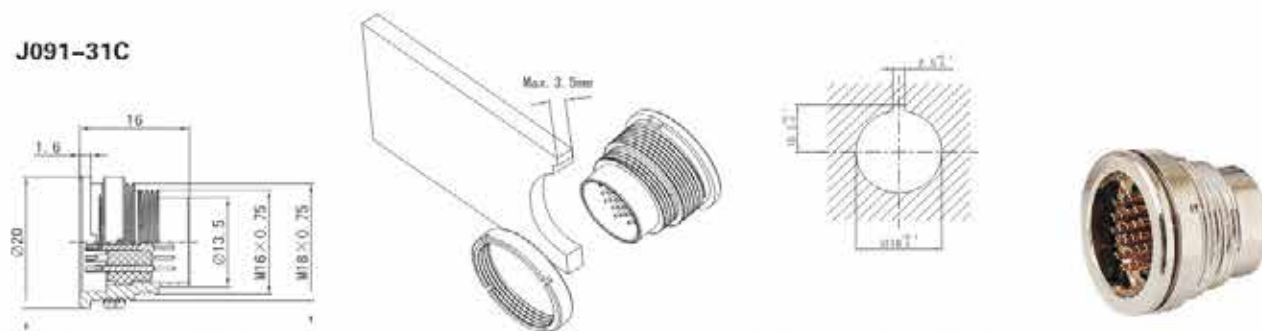


J091-31H-024J插头

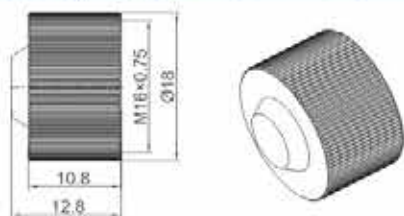


J091-31C-024J插座

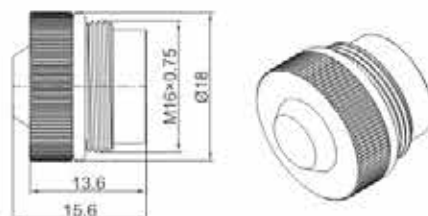
J091-31C



公头连接器金属盖 Metal cover for male connectors



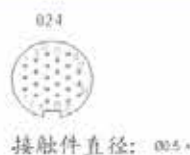
母头连接器金属盖 Metal cover for female connectors



C091 系列绝缘安装板孔位排列 Insert arrangement for C091 Series connectors



J091 系列绝缘安装板孔位排列 Insert arrangement for J091 Series connectors

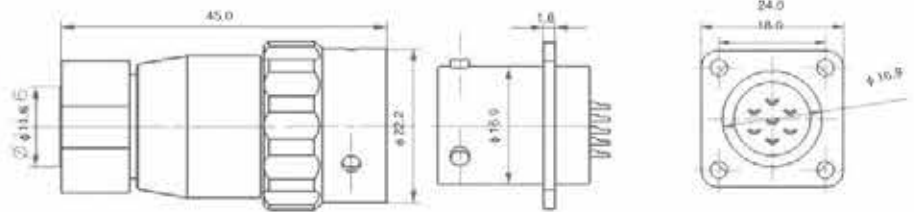
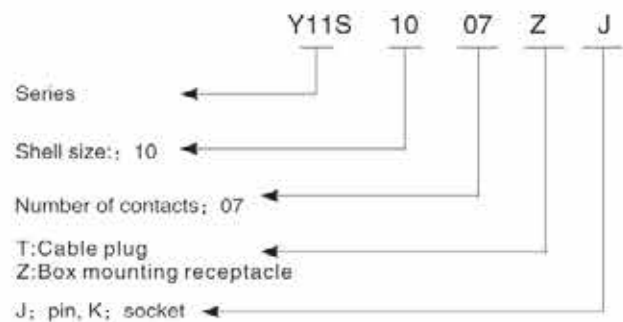
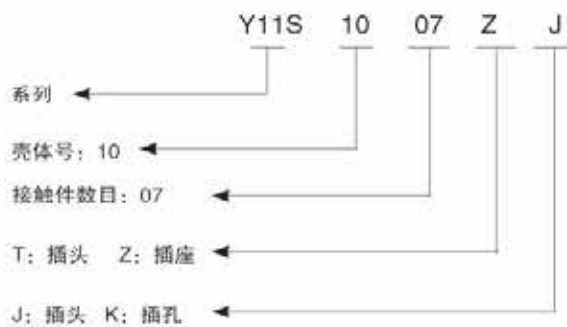


Y11S 系列连接器	Y11S series connector
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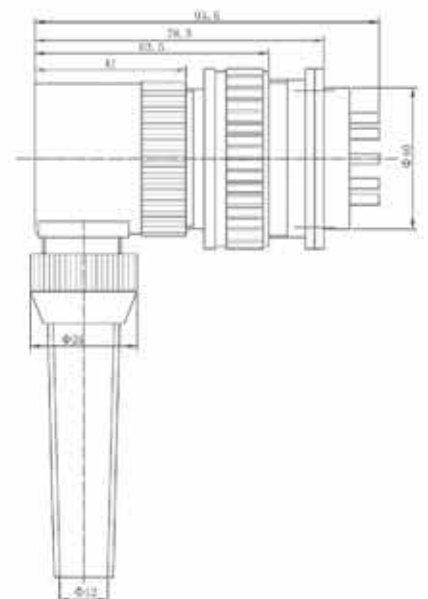
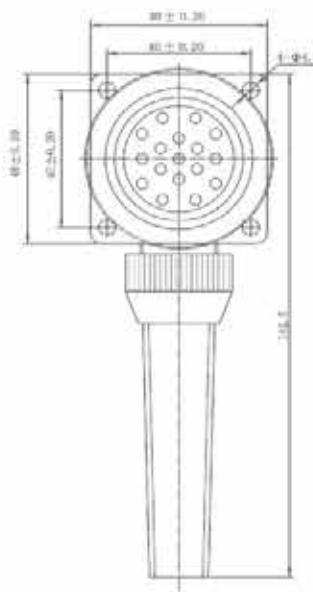
Y11型系列产品采用内卡口式锁紧结构,具有快速插拔、体积小等特点。接触件为焊接式,壳体有屏蔽和非屏蔽两种,有一般密封和高真空、高压密封,还有防尘、防雨的性能。插座密封有灌胶密封或玻璃熔结密封,安装方式分法兰盘式、螺母固定式和穿墙式。产品适用于战略战术武器系统、航天、航空、航海设备,高能高热工业系统,通信及测试系统,工农业电力系统等的电信号连接。

Y11series connectors are used extensively for the connections between electrical instrument and equipment with 3 point bayonet coupling and 5 key/keyway mating, quickly push-pull, small size, high reliability, diversified functions and wide range of type. Contact termination is solder. The shell is shield or non-shield with ordinary sealing, vacuum sealing, high pressure sealing, dust-proof, rain-proof. The seal of receptacle is ordinary sealing and glass sealing. Termination type is flange, threaded and thro-wall.

命名 How to order



TPG 系列连接器 TPG series connector

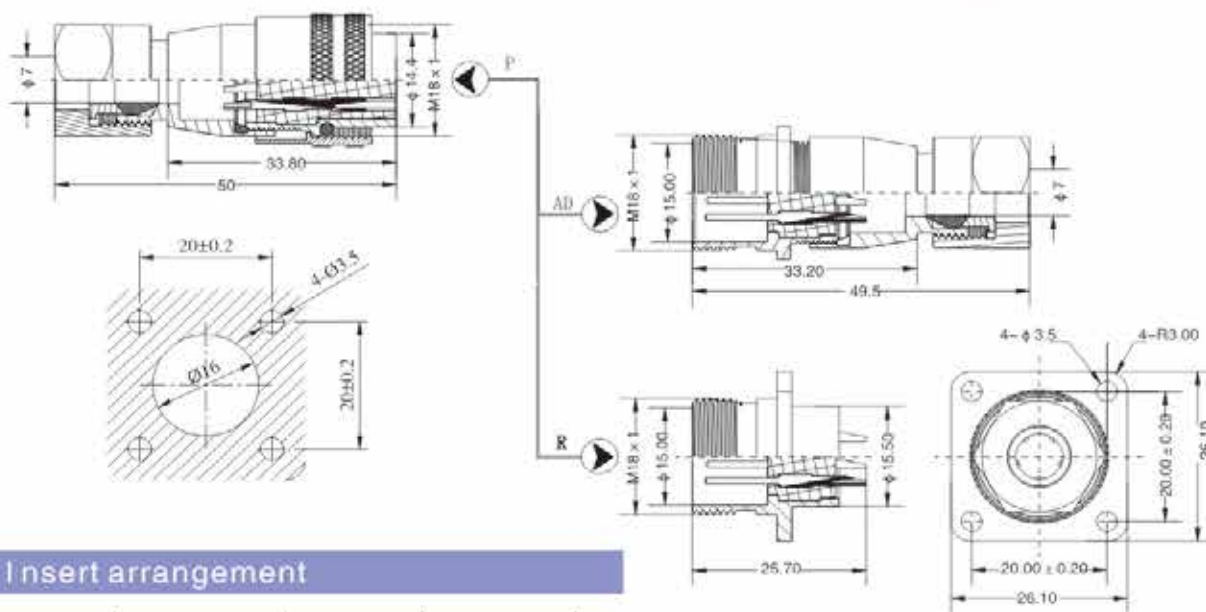
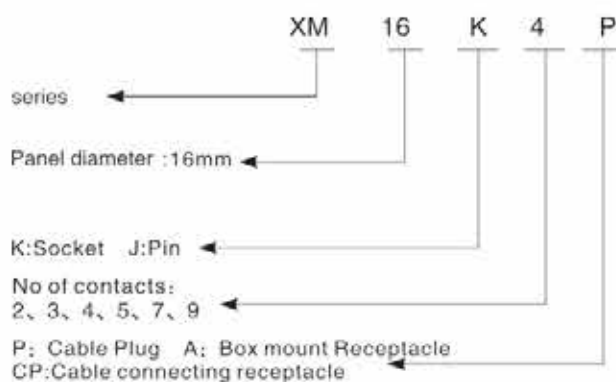
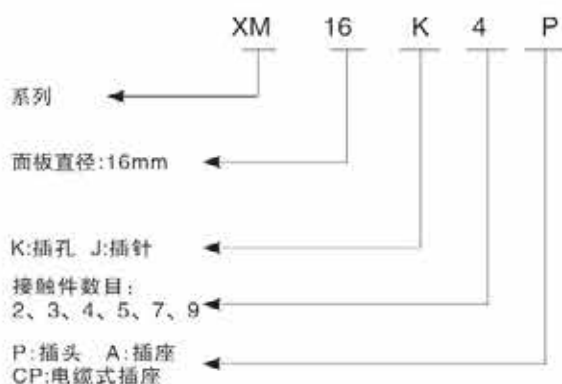


XM16 系列防水连接器 XM16 waterproof connector

XM16型小型防水连接器根据俄罗斯的标准设计而成。此连接器具有体积小,重量轻,使用方便,螺纹连接,防水性能好,高导电性和高绝缘强度高耐久性。面板直径16毫米,接触对有2,3,4,5,7,9六种。

XM16 type small waterproof connector is made according to the Russian standard. These connectors have the small features, small volume, light weight, convenient application, high durability of plugging and unplugging, threaded coupling, good sealing performance, high conductivity and high dielectric strength, the panel diameter is 16mm, contact pair has 9 kinds of 2, 3, 4, 5, 7, 9pin core.

命名 How to order



型谱图 Insert arrangement



Y50 系列连接器 Y50 series connector

Y50系列连接器具有快速连接与分离，体积小，重量轻，密封性能好，抗拉性能优之特点。本系列产品均参照GJB101A，适用于战略，战术系统，野外作业等电讯号、电能连接。

Y50 series connectors owns quick connection and separation, small size, light weight, good sealing performance, the characteristics of the tensile properties superior. This series of products with reference to GJB101A, apply to the telecommunications number of the strategic, tactical systems, field operations, electricity connections.



命名 How to order

Y50 X 08 04 T K

系列: _____

X: 焊接式 _____

壳体号: _____
08, 10, 12, 18

接触件数目: _____

T: 插头 Z: 插座 _____

K: 插孔 J: 插针 _____

Y50 X 08 04 T K

Series: _____

Soldering termination _____

Shell Size: _____
08, 10, 12, 18

No. of contact: _____

T: Cable plug _____
Z: Receptacle

K: Socket J: Pin _____

工作环境:

- 环境温度: $-55^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- 大气压力: 达1KPa
- 碰撞: 加速度达 500m/s^2
- 相对湿度: $+40^{\circ}\text{C}$ 时达90%~95%
- 振动: 振频10~100Hz, 加速度 150m/s^2
- 机械寿命: 500次

Working condition:

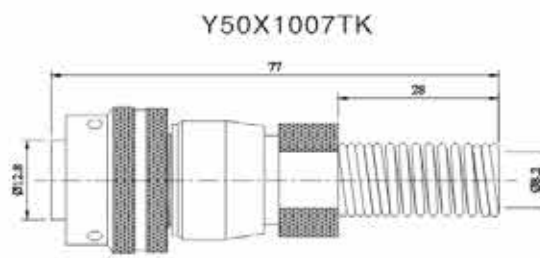
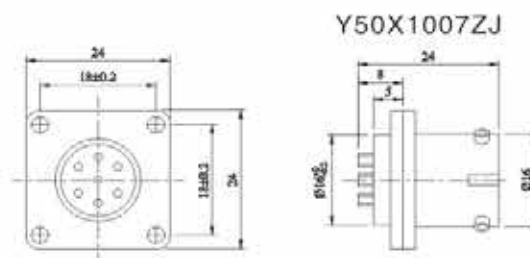
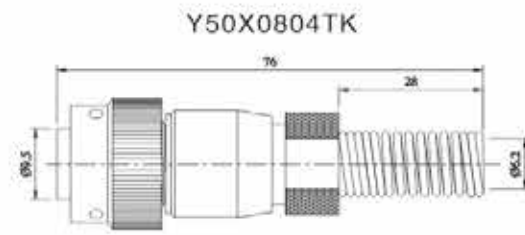
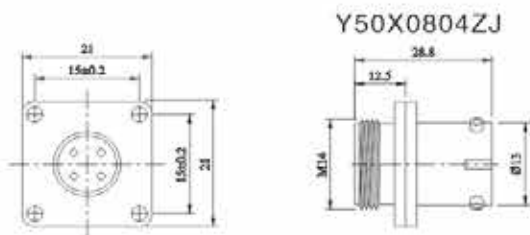
- Ambient temperature: $-55^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- Atmospheric pressure: Up to 1KPa
- Collision: Acceleration 500m/s^2
- Relative humidity: Temperature is 40°C , reach 90%~95%
- Vibration: Frequency 10~100Hz, acceleration 150m/s^2
- Mechanical life: 500 times

产品材质:

- 壳体材料: 压铸铝
- 表面处理: 军绿色电泳
- 绝缘体材料: PBT塑料
- 接触件材料: 铜合金镀银

Material:

- Shell: Casting aluminum alloy
- Surface finish: Olive drab electrophoresis' painting
- Insulator: PBT Plastic
- Contacts: Copper alloy with silver plating



Y50 系列连接器



接触件电阻
Contact resistance(Ω)



XF14 系列连接器 XF14 series connector

XF14小圆形连接器外壳采用黄铜加工而成，此产品重量轻，体积小，经久耐用，目前已被广泛应用于各种视频，音频，CCTV系统，轻便式无线电收音机，工厂自动化，医疗等。

XF14 Miniature circular connector housing is made of brass processing, this product has light weight, small size, durability, has been widely used in various video, audio, CCTV systems, portable wireless radio, factory automation, medical, etc..



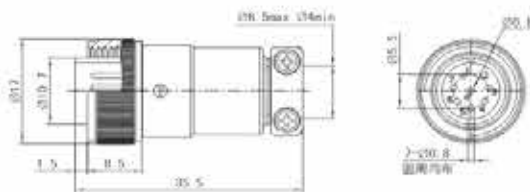
技术特性

- 芯数：8芯
- 耐电压：700V
- 额定电流：2A
- 额定电压：200V
- 绝缘电阻：直流500V大于等于1000MΩ
- 接触电阻：8mΩ
- 温度范围：-25℃ - +85℃

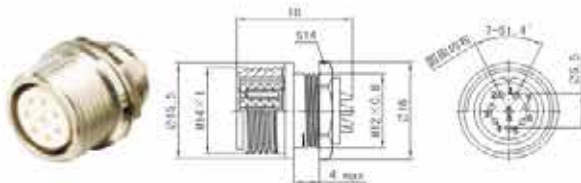
Electrical Characteristics

- No. of contacts: 8
- Withstanding Voltage : 700V
- Rated Current: 2A
- Rated Voltages: 200V
- Insulation Resistance (Minimum): 1000MΩ or more at DC 500V
- Contact Resistance (Minimum): 8mΩ
- Temperature Range: -25℃ to +85℃

XF14J8P



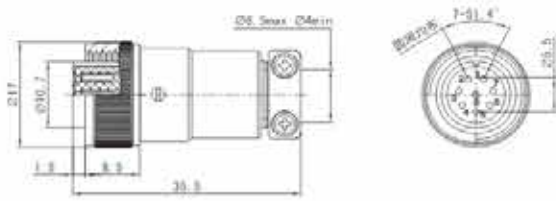
XF14K8Z



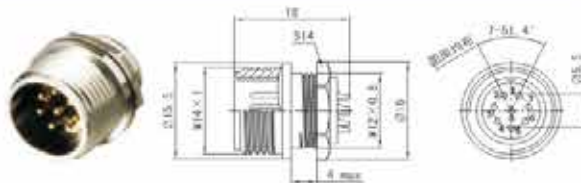
XF14K8ZP



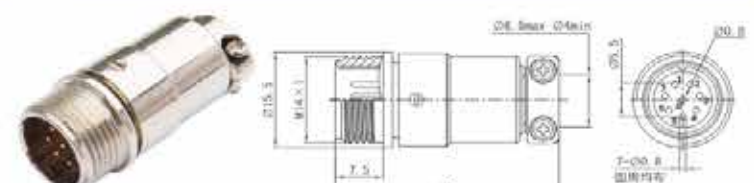
XF14K8P



XF14J8Z



XF14J8ZP



62IN系列连接器

62IN series connector

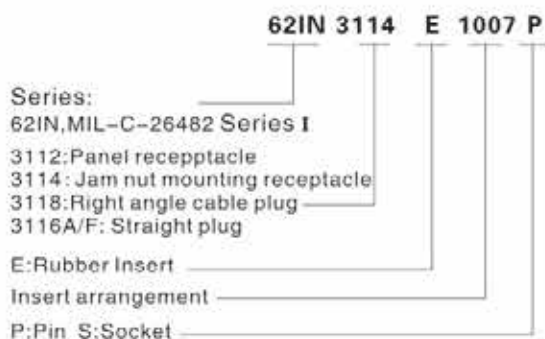
62IN系列圆形电连接器采用三点卡口耦合和五键槽定位设计,耐环境,小型圆形连接器。该设计符合国军标GJB598(美军标MIL-C-26482系列I)焊接型标准,广泛用于快速分离连接器应用中。62IN系列连接器可与所有MIL-C-26482焊接或压接型连接器进行插配和互换,广泛应用于全球的军事和工业行业,能满足重要应用场合的要求,多功能的设计和可靠性的性能使其成为耐环境密封的理想选择。

62IN Series electrical connector with bayonet coupling and five keyway position design, environment resistant, small circular connectors. compliant with GJB 598 (MIL-C-26482 series I) welding standard, widely used in rapid separate application. 62IN series connector can be inserted and interchanged with all MIL-C-26482 solder or crimp type the connector, widely used in the global military and industrial application; the design of multi function and high reliability performance make it an ideal choice for resistance to environmental sealing.



命名

How to order



工作环境:

- 环境温度: -55℃ ~ +125℃
- 工作气压: 达1KPa
- 碰撞: 加速度达500m/s²
- 相对湿度: +40℃时达90% ~ 95%
- 振动: 振频10 ~ 100Hz, 加速度150m/s²
- 机械寿命: 500次

Working condition:

- Ambient temperature: -55℃ ~ +125℃
- Working pressure: 1KPa
- Collision: Acceleration 500m/s²
- Relative humidity: Temperature is 40℃, reach 90% ~ 95%
- Vibration: Frequency 10 ~ 100Hz, acceleration 150m/s²
- life duration: 500 times

产品材质:

- 壳体材料: 铝合金
- 表面处理: 军绿色电泳 (或镀金)
- 绝缘体材料: 硅橡胶
- 接触件材料: 铜合金镀银 (或镀金)

Products material:

- Contacts: Gold plated copper alloy
- Surface finish: Olive drab electroplating
- Insulator: Silicone rubber
- Contacts: Copper alloy with silver plating

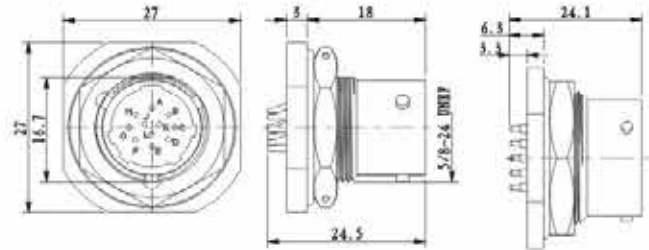
插针直径 Contacts diameter	接触电阻 Contact resistance	额定电压 Voltage	耐电压 Withstand voltage	绝缘电阻 Insulation resistance
∅1.0	≤ 10mΩ	400V	1200V	≥ 5000MΩ
∅0.8	≤ 12.5mΩ	300V	1000V	≥ 5000MΩ

62IN系列连接器 62IN series connector

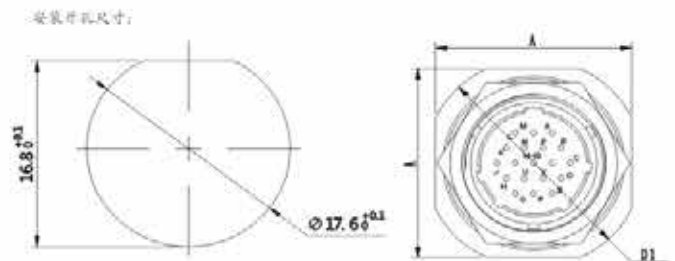
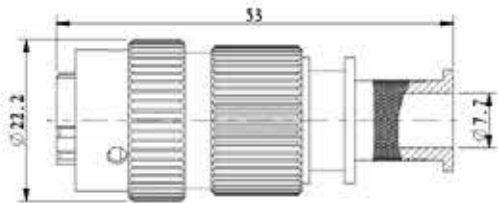
3112



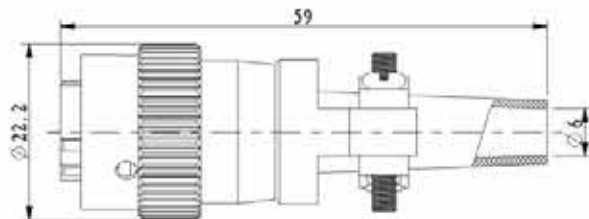
3114



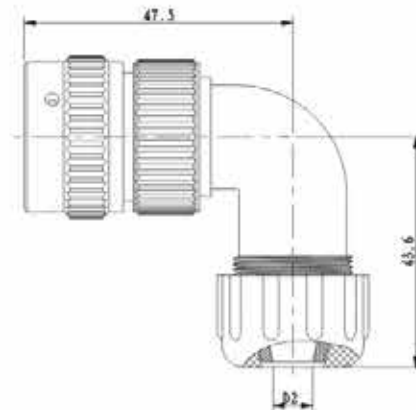
3116A



3116F



3118



壳体号 shell size	A	D1	D2
12	31.8	35	9
14	34.7	38.5	7

型谱图

Inser arrangement

0802	0804	1006	1007	1011	1210	1419

插针直径: Ø0.8 ○ Ø1.0 ●

PC12连接器

PC12 Connector

命名 How to order

系列:PC — PC
面板直径:12mm — 12
J:插针 K:插孔 — J
接触件数目:6 — 6
A:锁紧螺母座 P:插头 — P

Series:PC — PC
Panel diameter: 12mm — 12
J:Pin K:Socket — J
No.of Contacts:6 — 6
P:Cable plug
A:Jam nut receptacle



工作环境:

- 工作温度: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 相对湿度: 40°C 达 $93 \pm 3\%$
- 振动: 频率 $10 \sim 200\text{Hz}$, 加速度 150m/s^2
- 碰撞: 加速度 490m/s^2
- 恒加速度振动: 加速度达 245m/s^2
- 大气压力: 达 4.4KPa
- 机械寿命: 500次

Working condition:

- Working temperature: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Relative humidity: It can reach $93 \pm 3\%$ at 40°C
- Vibration: Frequency $10 \sim 200\text{Hz}$, acceleration 150m/s^2
- Collision: Acceleration 490m/s^2
- Permanent acceleration vibration: Acceleration reaches 245m/s^2
- Atmospheric pressure: Reach 4.4KPa
- life duration: 500 times

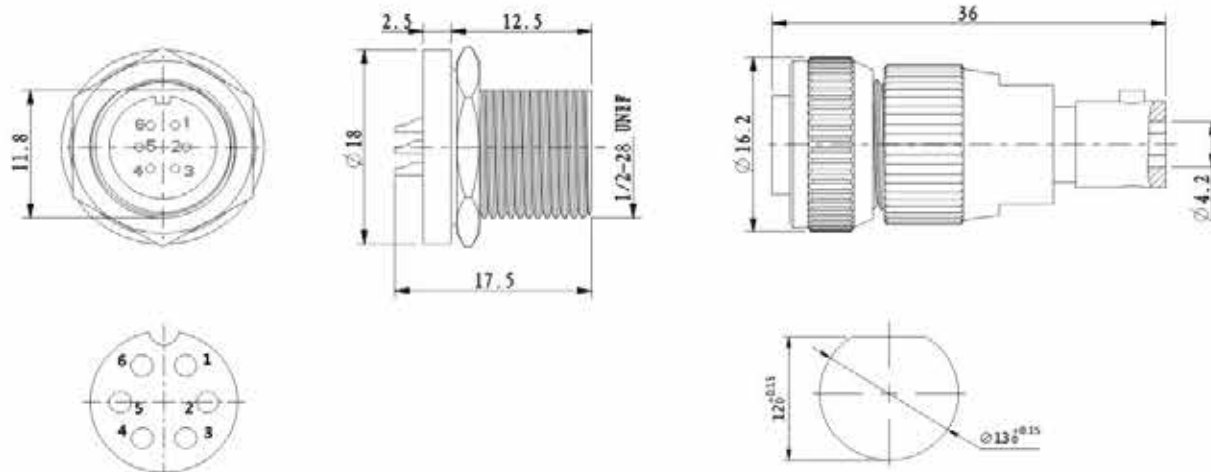
产品材质:

- 壳体材料: 压铸铝
- 表面处理: 军绿色电泳
- 绝缘体材料: PBT塑料
- 接触件材料: 铜合金镀银

Products material:

- Shell: Casting aluminum alloy
- Surface finish: Olive drab electroplating
- Insulator: PBT Plastic
- Contacts: Copper alloy with silver plating

接触电阻 Contact resistance	工作电流 Working current	电压 Voltage ($<400\text{Hz}$)
$\leq 0.01\Omega$	2A	400V



CA系列连接器 CA Series Connector

命名 How to order

CA 3106 E 22-14 P

系列:
MIL-C-5015快速连接

3106A直头
3102A盒式安装插座

E: PBT塑料

孔组排列

P: 插针 S: 插孔

CA 3106 E 22-14 P

Series:
MIL-C-5015 Bayonet connector

3106A Straight plug
3102A Box mounting Receptacle

E: PBT plastic

Insert arrangement

P: Pin S: Socket



工作环境:

- 环境温度: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- 工作气压: 101PA~6.7PA
- 碰撞: 加速度达 500m/s^2
- 相对湿度: $+40^{\circ}\text{C}$ 时达90%~95%
- 振动: 振频50~2000Hz, 加速度 294m/s^2
- 机械寿命: 500次

Working condition:

- Ambient temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Atmospheric pressure: 101PA~6.7PA
- Collision: Acceleration 500m/s^2
- Relative humidity: Temperature is 40°C , reach 90%~95%
- Vibration: Frequency 50~2000Hz, acceleration 294m/s^2
- life duration: 500 times

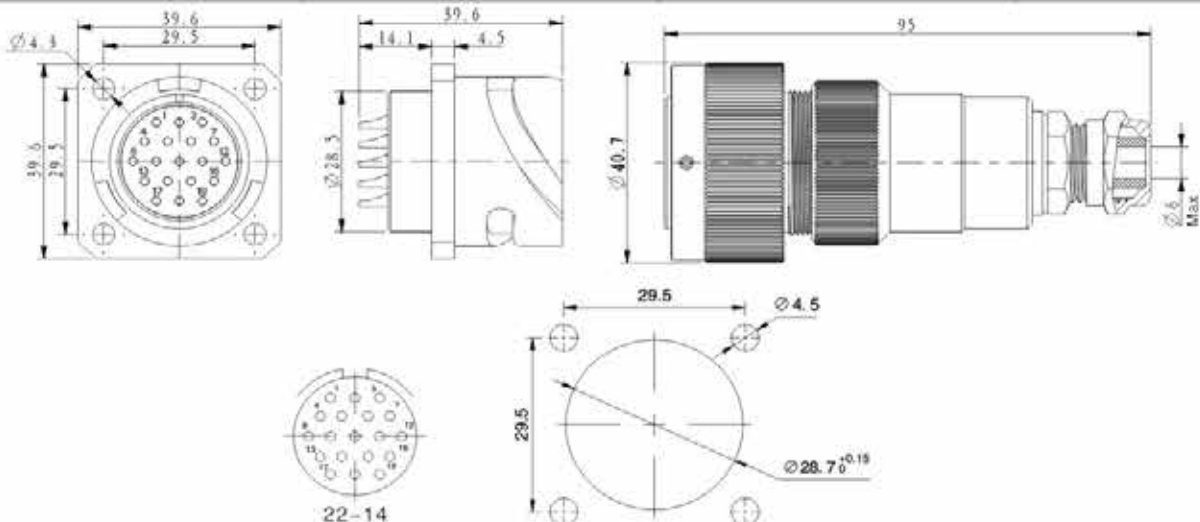
产品材质:

- 壳体材料: 压铸铝
- 表面处理: 黑色电泳
- 绝缘体材料: PPS塑料
- 接触件材料: 铜合金镀金

Products material:

- Shell: Casting aluminum alloy
- Surface finish: Black electroplating
- Insulator: PPS Plastic
- Contacts :Copper alloy with Gold plated

额定电流 Current	接触电阻 Contact resistance	额定电压 Voltage	耐电压 Voltage proof
10A	$\leq 0.0025\Omega$	500V	1500V(50Hz)



XW12 防水连接器 XW12 Waterproof connector

命名 How to order

系列:XW
面板直径:12mm
J:插针 K:插孔
接触件数目:3,4,5
A:方座 P:插头

XW 12 J 5 A



Series
Panel diameter:
12mm
J:Pin K:Socket
No. of Contacts:
2,3,4,5,7
A:Box mounting receptacle
P:Cable plug

XW 12 J 5 A



工作环境:

- 环境温度: $-55^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- 大气压力: 达1KPa
- 碰撞: 加速度达 500m/s^2
- 相对湿度: $+40^{\circ}\text{C}$ 时达90%~95%
- 振动: 振频10~100Hz, 加速度 150m/s^2
- 机械寿命: 500次

Working condition:

- Ambient temperature: $-55^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- Atmospheric pressure: Up to 1KPa
- Collision: Acceleration 500m/s^2
- Relative humidity: Temperature is 40°C , reach 90%~95%
- Vibration: Frequency 10~100Hz, acceleration 150m/s^2
- life duration: 500 times

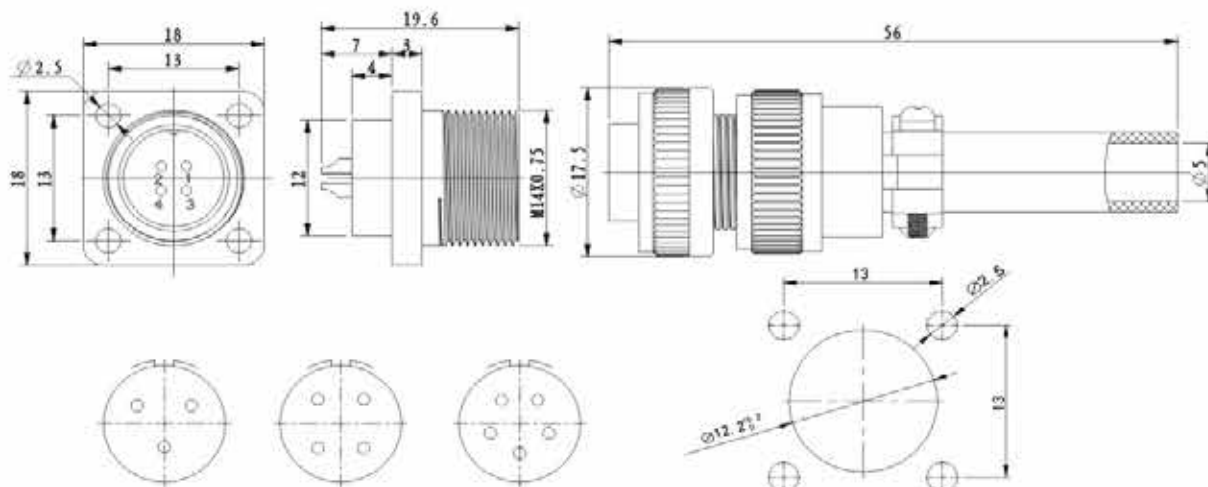
产品材质:

- 壳体材料: 压铸铝
- 表面处理: 军绿色电泳
- 绝缘体材料: PBT塑料
- 接触件材料: 铜合金镀银

Products material:

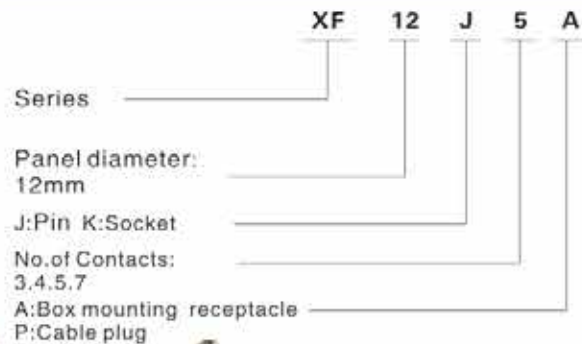
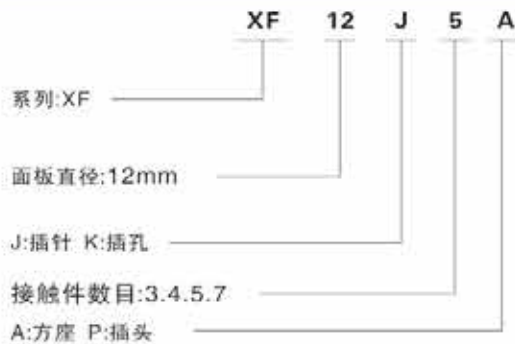
- Shell: Casting aluminum alloy
- Surface finish: Olive drab electrophoresis' painting
- Insulator: PBT Plastic
- Contacts :Copper alloy with silver plating

接触件电阻 Contact resistance(Ω)	工作电流 Working current(A)	工作电压($\leq 400\text{Hz}$) Working voltage(v)	试验电压(50Hz) Experimental voltage(V)
0.005	5	400	1200



XF12 连接器 | XF12 connector

命名 How to order



工作环境:

- 环境温度: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 大气压力: 达1KPa
- 碰撞: 加速度达 500m/s^2
- 相对湿度: $+40^{\circ}\text{C}$ 时达93%
- 振动: 振频10~500Hz, 加速度 100m/s^2
- 机械寿命: 500次

Working condition:

- Ambient temperature: $-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- Atmospheric pressure: Up to 1KPa
- Collision: Acceleration 500m/s^2
- Relative humidity: Temperature is 40°C , reach 93%
- Vibration: Frequency 10~500Hz, acceleration 100m/s^2
- life duration: 500 times

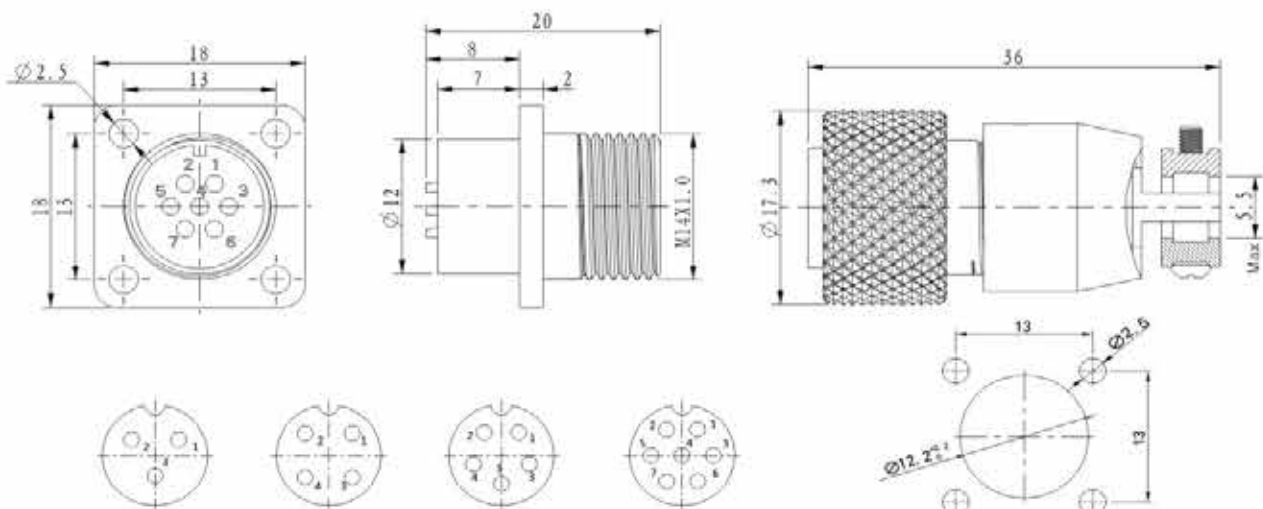
产品材质:

- 壳体材料: 机加铝
- 表面处理: 本色氧化
- 绝缘体材料: PBT塑料
- 接触件材料: 黄铜镀银

Products material:

- Shell: Machining aluminum alloy
- Surface finish: Natural color oxidation
- Insulator: PBT Plastic
- Contacts: Copper alloy with silver plating

耐电压(AC:V) Withstanding voltage	额定电流/电压 Rated Current/voltage	绝缘电阻(M Ω)DV500V Insulation resistance (M Ω MIX)AT DC 500V	接触电阻 Contact resistance (Ω)	接触对孔径 Φ (mm) Solder inter diameter
1500	5A-400V	2000	0.0025	1.5



WP20系列防水连接器 WP20 Series waterproof connector

命名 How to order

系列: WP 20 J 5 P
面板直径: 20mm
J: 插针 K: 插孔
接触件数目: 2, 3, 4, 5, 6, 7, 9
P: 插头 A: 插座 AP: 电缆式插座

Series: WP 20 J 5 P
Panel diameter: 20mm
J: Pin K: Socket
No. of Contacts: 2, 3, 4, 5, 6, 7, 9
P: Cable plug A: Receptacle
AP: Cable connection receptacle



工作环境:

- 环境温度: $-55^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- 碰撞: 加速度达 500m/S^2
- 相对湿度: $+40^{\circ}\text{C}$ 时达 $90\% \sim 95\%$
- 振动: 振频 $10 \sim 500\text{Hz}$, 加速度 150m/S^2
- 冲击: 加速度时达 250m/S^2
- 机械寿命: 500次

Working condition:

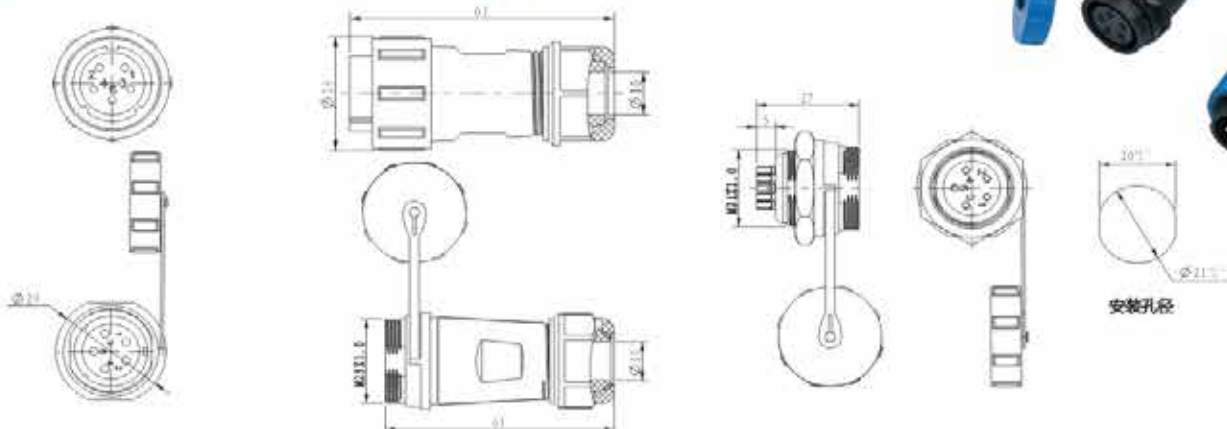
- Ambient temperature: $-55^{\circ}\text{C} \sim +100^{\circ}\text{C}$
- Collision: Acceleration 500m/S^2
- Relative humidity: Temperature $+40^{\circ}\text{C}$, reach $90\% \sim 95\%$
- Vibration: Frequency $10 \sim 500\text{Hz}$, Acceleration 150m/S^2
- Impact: frequency up to 250m/S^2
- Life duration: 500 times

产品材质:

- 壳体材料: 阻燃尼龙
- 绝缘体材料: 阻燃尼龙
- 接触件材料: 铜合金 (镀金)

Products material:

- Shell: Flame Retardant Nylon
- Insulator: Flame Retardant Nylon
- Contacts: Copper alloy with gold plated



安装孔径

接触件排列规格 Contact arrangement and spec

芯位 number of contacts	2	3	4	5	6	7	9
插针方向看 Male contact face view							
工作电流 Current rating	13A	13A	5A	5A	5A	5A	3A
接触直径 Contact Diameter	$\varnothing 1.6 \times 2$	$\varnothing 1.6 \times 3$	$\varnothing 1 \times 4$	$\varnothing 1 \times 5$	$\varnothing 1 \times 6$	$\varnothing 1 \times 7$	$\varnothing 0.7 \times 9$
工作电压(AC.V) Operatin Limit voltage	250V	250V	200V	180V	125V	125V	125V
测试电压 Test voltage(AC.V)1min	150V	1500V	1500V	1000V	1000V	1000V	1000V
接触阻抗(mΩ)DC 1A Contact resistance	2	2	5	5	5	5	10
线规mm ² /AWG	$\leq 2/14$	$\leq 2/14$	$\leq 0.785/18$	$\leq 0.785/18$	$\leq 0.785/18$	$\leq 0.785/18$	$\leq 0.785/18$

RM系列连接器

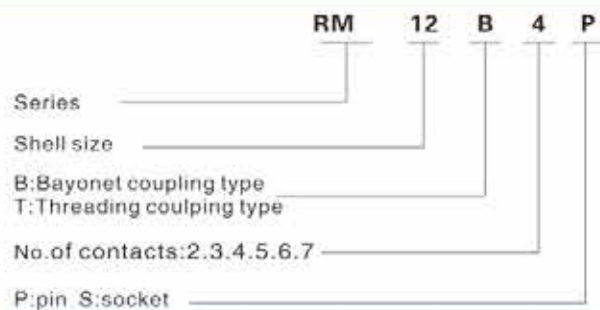
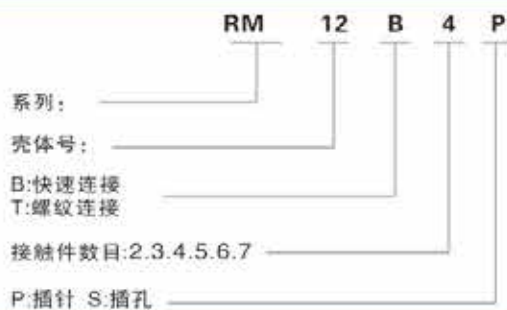
RM Series connector

RM系列连接器是专门设计用于通信设备和电子设备的一款产品,有6种芯数,2,3,4,5,6,7芯,连接方式有两种可选,快速连接与螺纹连接,快速连接可拆卸式安装使用方便。RM系列是小型化的尺寸,坚固耐用,优良的机械和电气性能,从而满足用户最严格的要求。

RM series connector is specially designed for communication equipment and electronic equipment, there are 6 kinds of contacts, 2,3,4,5,6 and 7 pins, the lock mechanisms with bayonet coupling and thread coupling, quick detachable connection and convenient installation and use. RM series connectors have Small size, rugged and excellent in mechanical and electrical performance thus making it possible to meet the most stringent demands of users.



命名 How to order

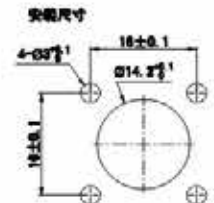
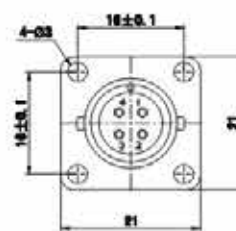
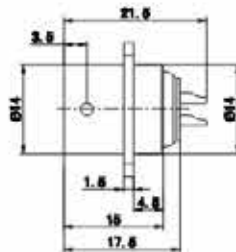
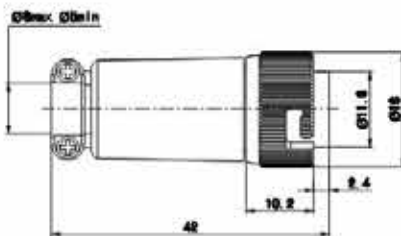


产品材料：

- 外壳：锌压铸
- 表面处理：镀镍
- 绝缘体：PPS塑料
- 接触件：铜合金镀银

Products material:

- Shell: Casting zinc alloy
- Surface finish: nickel plating
- Insulation: PPS plastic
- Contact: copper alloy with silver plating



RM系列接触件排列 RM Series contact arrangement

壳体号 Shell size						
接触件数目 Number of Contacts	2	3	4	5	6	7
耐电压(AC.V) Withstanding voltage	1800V	1500V	1500V	1500V	1500V	1500V
工作电流 Current rating	5A	5A	5A	5A	5A	5A
绝缘电阻 Insulation resistance	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ	1000MΩ
接触阻抗(mΩ)DC 1A Contact resistance	4mΩ	4mΩ	4mΩ	4mΩ	4mΩ	4mΩ
接触直径 Contact Diameter	Ø1	Ø1	Ø1	Ø1	Ø1	Ø1

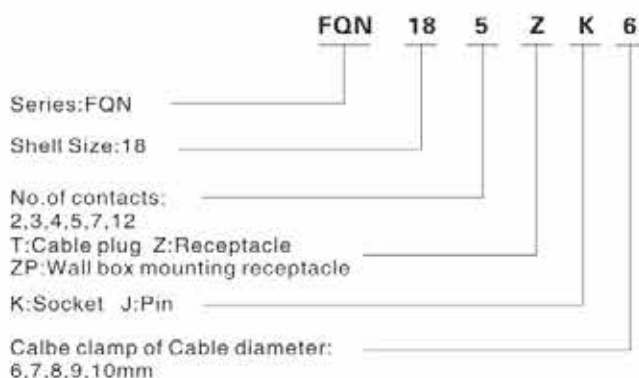
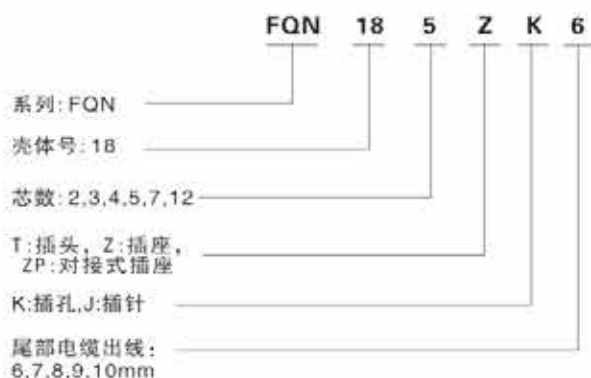
FQN18系列防水连接器 FQN18 series waterproof connector

FQN18系列防水型圆形电连接器是FQ系列产品的改进型,体积小,内卡口快速连接,耐环境,防水、防盐雾、防霉菌,操作使用简便。产品的安装尺寸及接点型谱等同FQ和Q系列产品。插针、插孔引线采用焊接式,产品被广泛用于各种电子仪器、电子、电气设备间有防水要求的电连接中。产品符合铁道部标准TB/T2761。

FQN18 series waterproof connector modified based on FQ series products, these series connector has the advantages of small volume, inner bayonet fast connection, environment resistant, waterproof, anti salt, anti mildew, simple operation. Spectra of FQ and Q series of products with the installation dimensions and contact type products, terminations are wire welding type, the products are widely used in various electronic instruments, electronic, electrical equipment, waterproof requirements of the electric connection. Products meet the standard of the Ministry of Railways TB/T2761.



命名 How to order



产品材料:

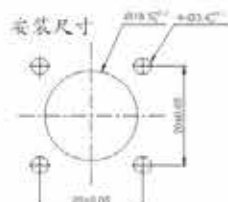
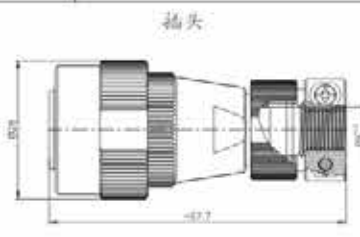
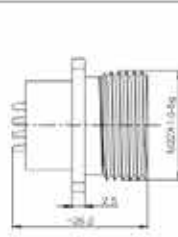
- 外壳: 铜棒
- 表面处理: 镀亮镍
- 绝缘体材料: PBT plastic
- 针孔: 铜合金/镀金

Products Material:

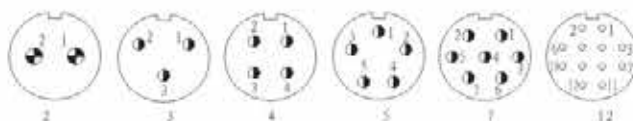
- Shell: Machining brass
- Surface finish: Nickel Plating
- Insulator: PBT Plastic
- Contacts: Copper alloy with gold plating

工作温度 working temperature	相对湿度 Relative humidity	工作气压 Atmospheric pressure	振动 Vibration	碰撞 Collision	防护等级 Protection degree
-55° C ~ 85° C	40° C时达 (90~96) % up to 90~96 when the temperature at 40°c	4.4KPa	10~200Hz, 150m/s ²	490m/s ²	IP67

工作电流 Working Current	工作电压 Working voltage	接触电阻 Contact resistance	机械寿命 Life duration
3A(10A)	400V	≤5mΩ (≤2.5mΩ)	500次 500times



型谱图 Insert configuration



接触直径
contact diameter

- Ø1.0
- Ø1.5
- Ø2.5

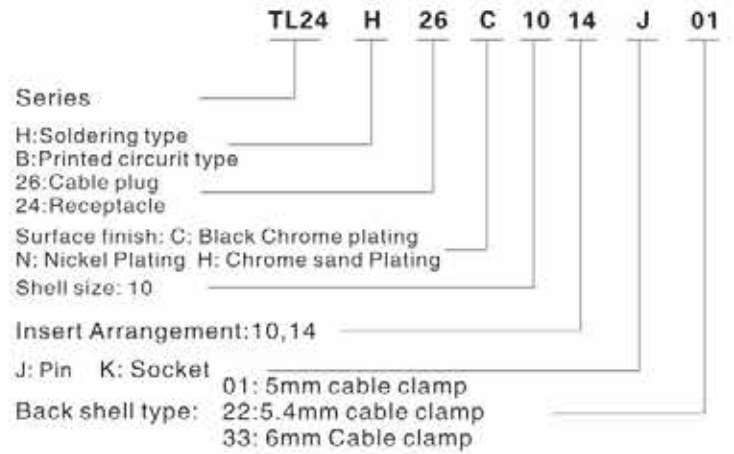
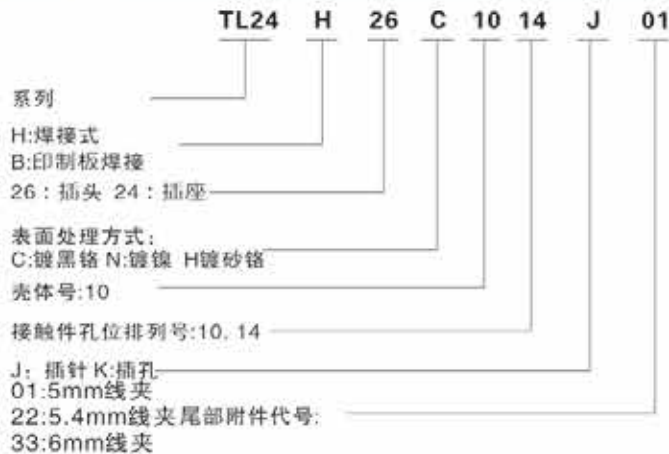
TL24系列连接器 TL24 Series connector

TL24系列推拉式圆形电连接器，其连接方式为推入式锁紧块锁紧，该连接器具有插拔迅速，使用方便，体积小，密度高，耐环境好，外形美观，屏蔽性好等特点。产品主要用于仪器，仪表，电子设备等的直流或交流电路中的电气连接。

TL24 Series electric connector adopts the push-pull, self-locking connection mode, convenient to use, has small volume, high density, good resistance to environment, beautiful appearance, characteristics of good shielding etc.. Products are mainly used in instruments, electrical and electronic equipment in DC or AC circuit connection.



命名 How to order



使用环境条件:

- 工作温度: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- 相对湿度: $90\% \sim 95\% (40 \pm 2^{\circ}\text{C})$
- 工作气压: $4.39\text{KPa} \sim 101.33\text{KPa}$
- 冲击: 加速度 490m/S^2
- 恒加速度: 加速度 245m/S^2
- 盐雾: 48h
- 机械寿命: 2000次

产品材料:

- 外壳: 铜棒 表面镀黑铬
- 绝缘体: PBT塑料
- 针孔: 铜合金/镀金

Service environmental condition

- Working temperature: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Relative humidity: $90\% \sim 95\% (40 \pm 2^{\circ}\text{C})$
- Atmospheric pressure: $4.39\text{KPa} \sim 101.33\text{KPa}$
- Impact: acceleration up to 490m/S^2
- Constant acceleration 245m/S^2
- Salt spray: 48h
- Life duration: 2000 times

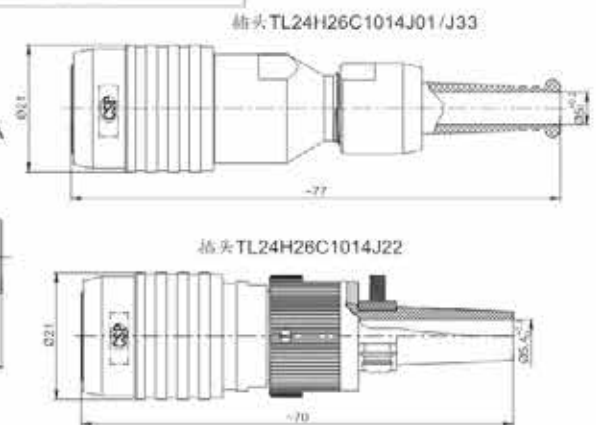
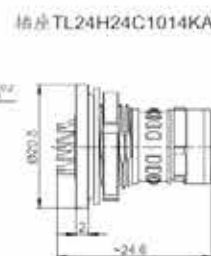
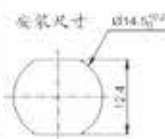
Products Material:

- Shell: Maching Brass
- Insulator: PBT Plastic
- Contacts: Cooper alloy with gold plating

接触件直径 Contact diameter (mm)	工作电流 Working current	接触电阻 Contact resistance
$\phi 0.8$	3A	12.5m Ω

型普图 Insert Configuration

芯数 No. of contacts	10pin	14pin
接触件直径 Contact diameter	$\phi 0.8\text{mm}$	$\phi 0.8\text{mm}$



TLF1HG107连接器

TLF1HG107 connector

产品特性

- 超轻型，精密和坚固的结构
- 轻松容易插拔操作
- 使用寿命大于5000次
- 推拉式锁定机构或紧急释放系统
- 360° 电磁屏蔽
- 防水等级达IP68
- 耐腐蚀
- 操作温度可达到50° C + 150° C

Product benefits

- Ultralight, compact and rugged construction
- Easy connect/disconnect operations
- Functional life greater than 5,000 mating cycles
- Push-pull locking mechanism or emergency release system
- 360° EMC shielding
- Sealed up to IP68
- Corrosion resistant
- Operating temperatures from -50°C to +150°C



命名 How to order

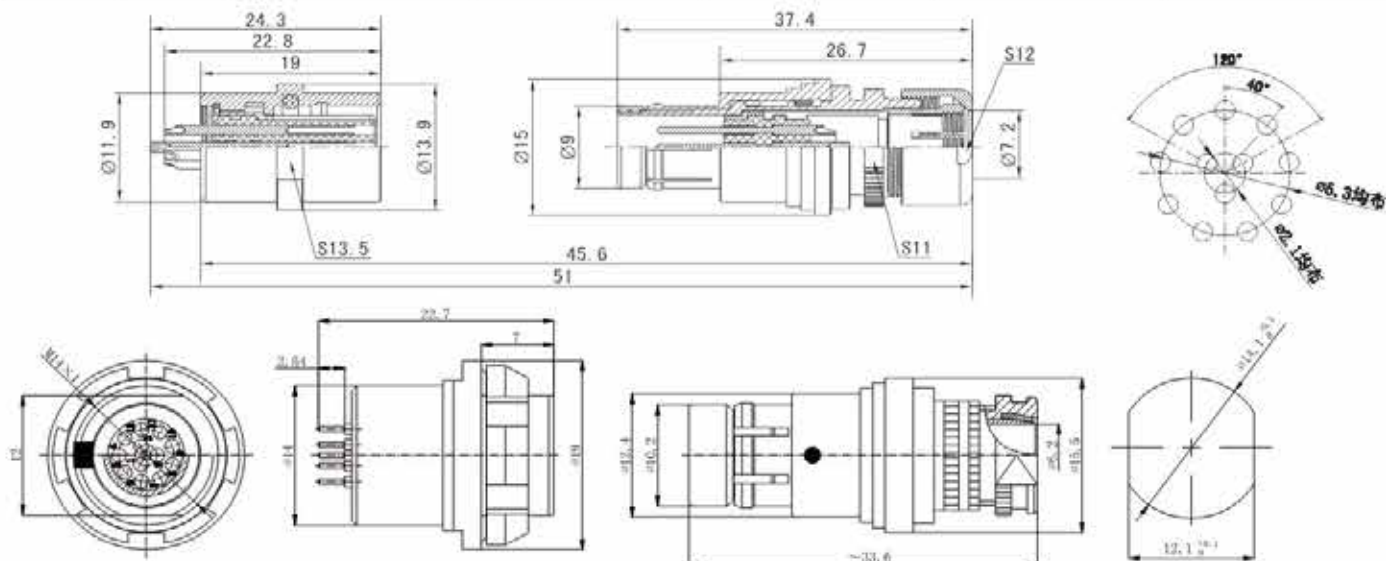
主称代号: TLF1 H G Z 10 7 K

H: 导线焊接
G: 电镀黑铬
T: 插头 Z: 插座
壳体号: 10
触点数目: 7芯
接触形状:
J: 插针 K: 插孔

Series: TLF1 H G Z 10 7 K

H: soldering termination
G: Black Chrome plating
T: Cable plug Z: Receptacle
Shell size: 10
No. of contacts: 7pins
J: Pin K: Socket

芯数 number of contact	接触体直径 (mm) Solder inter diameter (mm)	接触阻抗(mΩ)DC 1A Contact resistance	工作电流 Current rating	测试电压 Test voltage(AC.V)1min	工作电压(AC.V) Operatin Limit voltage
	0.7	7.5	7	875	400
	0.7	7.5	7	750	400



N-50KKF连接器

N-50KKF connector



电气性能

- 阻抗:50Ω/75Ω
- 频率范围:12GHz/6 GHz, 0-10GHz/0-1.5GHz
- 驻波比(直式/弯式):≤1.10 typ.1.15typ.
- 绝缘电阻:≥5*10¹⁰MΩ
- 内导体接触电阻:≤1mΩ
- 外导体接触电阻:≤0.25mΩ
- 测试电压:2500 V rms
- 工作电压:1400 V rms
- 操作功率:typ.1000W/10 GHz/VSWR 1.0,typ.700W/2 GHz/VSWR 1.0

Technical Characteristics

- Characteristic impedance:50Ω/75Ω
- Frequency range max. recommended:12GHz/6 GHz, 0-10GHz/0-1.5GHz
- VSWR(straight connectors) WSWR(right angle):≤1.10 typ.1.15typ.
- Insulation resistance:≥5*10¹⁰MΩ
- Center contact resistance:≤1mΩ
- Outer contact resistance:≤0.25mΩ
- test voltage:2500 V rms
- Working voltage:1400 V rms
- Power handling:typ.1000W/10 GHz/VSWR 1.0,typ.700W/2 GHz/VSWR 1.0

机械性能

- 结合扭矩:0.7-1.1Nm
- 螺母保持力:450N
- 内导体保持力:28N
- 耐久力:≥500

Mechanical characteristics

- Coupling torque:0.7-1.1Nm
- Coupling nut retention:450N
- Center contact retention force:28N
- Connecting operations:≥500

环境影响

- 温度范围:-65° C--+165° C
- 振动:MIL-STD-202 Meth.204/B
- 冲击:MIL-STD-202 Meth.213/G
- 抗腐蚀性:MIL-STD-202 Meth.101/d
- 气候依据:65/165/21

Environmental influences

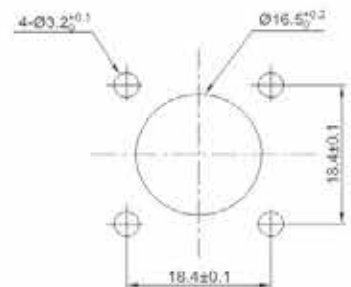
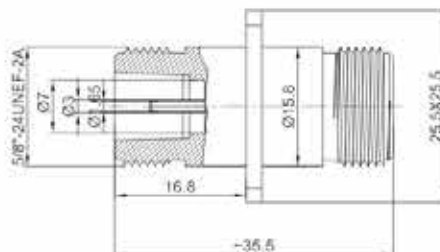
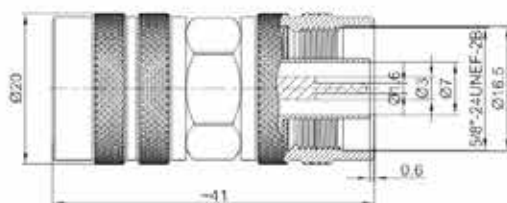
- Temperature range:-65° C--+165° C
- Vibration:MIL-STD-202 Meth.204/B
- Shock:MIL-STD-202 Meth.213/G
- Corrosion resistance:MIL-STD-202 Meth.101/d
- Climatical class according IEC 68:65/165/21

材料

- 主体:黄铜
- 绝缘子:PTFE
- 压接管:铜合金
- 垫片:橡胶
- 主体电镀:镀镍
- 中心导体电镀:镀金

Materials

- Shell:Brass
- Insulator:PTFE
- Crimping ferrules:Copper alloy
- Gaskets:Rubber
- Plating body:Ni,ptargeten
- Plating center contact:Gold plating



DF系列连接器

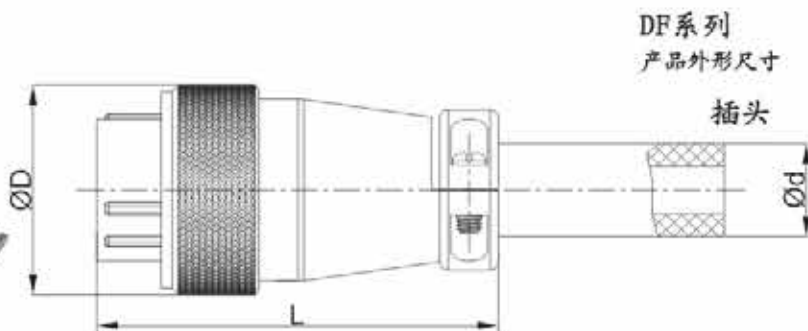
DF Series connector



命名 How to order

系列: DF
 壳体号: 20
 K: 插孔 J: 插针
 接触件数目: 4
 (见型谱图)
 T: 直插头
 Z: 盒式安装插座 S: 弯头
 01: 铝压铸外壳
 02: 锌压铸外壳

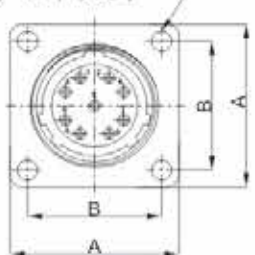
Series: DF
 Shell size: 20
 K: Socket J: Pin
 No. of contacts: 4
 (See insert arrangement)
 T: Straight cable plug
 Z: Box mounting receptacle S: Right angle cable plug
 01: Casting Zinc alloy shell
 02: Casting Aluminium alloy shell



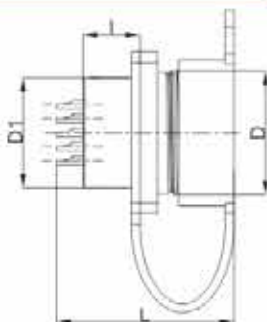
类型 Type	外形及安装尺寸 Fixing and exterior dimension							
	A	B	C	D	D1	I	L	d
DF12	20	13	2.8	M14 × 1	12	10	22.5	12.5
DF16	26	20	3.5	M18 × 1	16	10.8	26	16.5
DF20	29	22	3.5	M22 × 1	20	10.8	28	20.5
DF24	32	26	3.5	M26 × 1	24	10.8	28	24.5
DF28	36	30	3.5	M30 × 1	28	10.8	28	28.5
DF32	42	32	3.5	M35 × 1	32	13.8	37.5	32.5

DF系列连接器

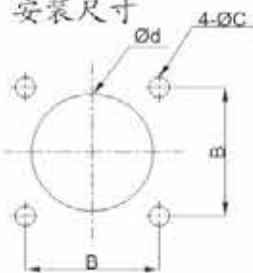
DF Series connector

DF系列
产品外形尺寸


插座

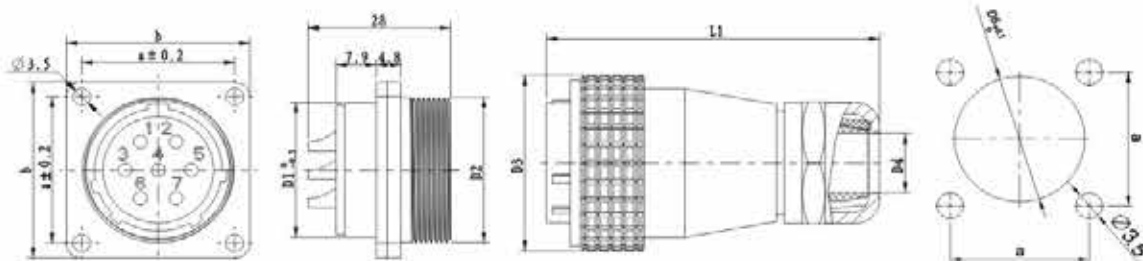


安装尺寸



外形及安装尺寸 Fixing and exterior dimension

类型 Type	D	L	D
DF12	17.5	39	6
DF16	21	43	10
DF20	25.6	48	11.6
DF24	30	52	12.4
DF28	33.8	55	15.7
DF32	38.2	68	19.5



外形及安装尺寸 Fixing and exterior dimension

类型 Type	a	b	D1	D2	D3	D4	D5	L1
DF16	20	26	Φ16	M18×1	Φ22.5	Φ7.5	Φ16	52
DF20	22	29	Φ20	M22×1	Φ27	Φ8.5	Φ20	62
DF24	26	32	Φ24	M26×1	Φ31	Φ8.5	Φ24	66
DF28	30	36	Φ28	M30×1	Φ36	Φ11.5	Φ28	66

DF系列接触件排列 DF Series contact arrangement

16 型芯数 , 16 Pin Number	2	3	4	5	6	7	9
排列图 Chart							
额定电流A Rated current A	10A	10A	10A	5A	5A	5A	5A
接触对直径、数量 Available contact diameter, number	Ø1.5×2	Ø1.5×3	Ø1.5×4	Ø1×5	Ø1×6	Ø1×7	Ø1×9
工作电压(ACV.rms) Operation limit voltage	500V	500V	500V	500V	400V	400V	400V
耐压(ACV) 1min Withstanding voltage	1500V	1500V	1500V	1500V	1200V	1200V	1200V
接触电阻mΩ Contact resistance	2.5	2.5	5	5	5	5	5
绝缘电阻MΩ Insulation resistance	2000	2000	2000	2000	2000	2000	2000

DF系列连接器

DF Series connector

DF系列接触件排列 DF Series contact arrangement

20型芯数、20Pin Number	2	3	4	5	7	9	12
排列图 Chart							
额定电流A Rated current A	25A	25A	25A	10A	10A	5A	5A
接触对直径、数量 Available contact diameter, number	∅2.5×2	∅2.5×3	∅2.5×4	∅1.5×5	∅1.5×7	∅1×9	∅1×12
工作电压(ACV.rms) Operation limit voltage	500V	500V	500V	500V	500V	500V	400V
耐压(ACV) 1min Withstanding voltage	1500V	1500V	1500V	1500V	1200V	1200V	1200V
接触电阻mΩ Contact resistance	1	1	1	2.5	2.5	5	5
绝缘电阻MΩ Insulation resistance	2000	2000	2000	2000	2000	2000	2000

24型芯数、24Pin Number	3	4	5	8	10	12	19
排列图 Chart							
额定电流A Rated current A	25A	25A	25A	10A	10A	10A	5A
接触对直径、数量 Available contact diameter, number	∅2.5×3	∅2.5×4	∅2.5×5	∅1.5×8	∅1.5×10	∅1.5×12	∅1×19
工作电压(ACV.rms) Operation limit voltage	500V	500V	500V	400V	500V	500V	500V
耐压(ACV) 1min Withstanding voltage	1500V	1500V	1500V	1200V	1500V	1500V	1500V
接触电阻mΩ Contact resistance	1	1	1	2.5	2.5	2.5	5
绝缘电阻MΩ Insulation resistance	2000	2000	2000	2000	2000	2000	2000

28型芯数、28Pin Number	4	7	10	12	16	17	20	23	24	26
排列图 Chart										
额定电流A Rated current A	25A	25A	10A	10A	10A	10A	5A	5A, 10A	5A	5A
接触对直径、数量 Available contact diameter, number	∅2.5×4	∅2.5×7	∅1.5×10	∅1.5×12	∅1.5×16	∅1.5×17	∅1×20	∅1×20 ∅1.5×3	∅1×24	∅1×26
工作电压(ACV.rms) Operation limit voltage	500V	500V	500V	500V	500V	500V	400V	400V	400V	400V
耐压(ACV) 1min Withstanding voltage	1500V	1200V	1500V	1500V	1500V	1500V	1200V	1200V	1200V	1200V
接触电阻mΩ Contact resistance	0.75	0.75	1	1.5	1.5	1.5	5	5	5	5
绝缘电阻MΩ Insulation resistance	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

32型芯数、32Pin Number	4	6	8	10	13	14	19
排列图 Chart							
额定电流A Rated current A	50A	50A, 10A	25A	10A, 25A	10A, 25A	25A	10A
接触对直径、数量 Available contact diameter, number	∅3.5×4	∅1.5×2 ∅3.5×4	∅2.5×8	∅1.5×5 ∅2.5×5	∅1.5×9 ∅2.5×4	∅2.5×14	∅1.5×19
工作电压(ACV.rms) Operation limit voltage	500V	500V	500V	500V	500V	400V	500V
耐压(ACV) 1min Withstanding voltage	1500V	1500V	1500V	1500V	1500V	1200V	1500V
接触电阻mΩ Contact resistance	0.5	1, 0.5	1	1, 0.5	2.5, 1	2.5	2.5
绝缘电阻MΩ Insulation resistance	2000	2000	2000	2000	2000	2000	2000

DF12G连接器

DF12G connector

本系列连接器属于防水连接器，有卡扣式和螺纹式两种连接方式。操作简单、体积小、重量轻，规格齐全，适用于小型传感器，电子设备与电缆之间的连接，可盲插合，有抗振动，防水，防盐雾，防电磁干扰等性能。

This series belongs to waterproof connector, two connection ways available bayonet quickly coupling and threading coupling ways. the operation is simple, small volume, light weight, complete specifications, applicable to small sensor, and between electronic equipment, blind insertion, anti vibration, waterproof, anti salt, anti electromagnetic interference performance.



使用条件

- 工作温度：-55℃ ~ +125℃
- 相对湿度：温度为40 ± 2℃时，达95 ± 3%
- 大气压力：达101.3KPa
- 振动：振频为10——2000Hz，加速度达196m/S²
- 冲击：980m/S²
- 工作电压：200V
- 耐电压：1500V
- 接触电阻：3mΩ
- 绝缘电阻：2000MΩ
- 机械寿命：500次

Service environmental condition

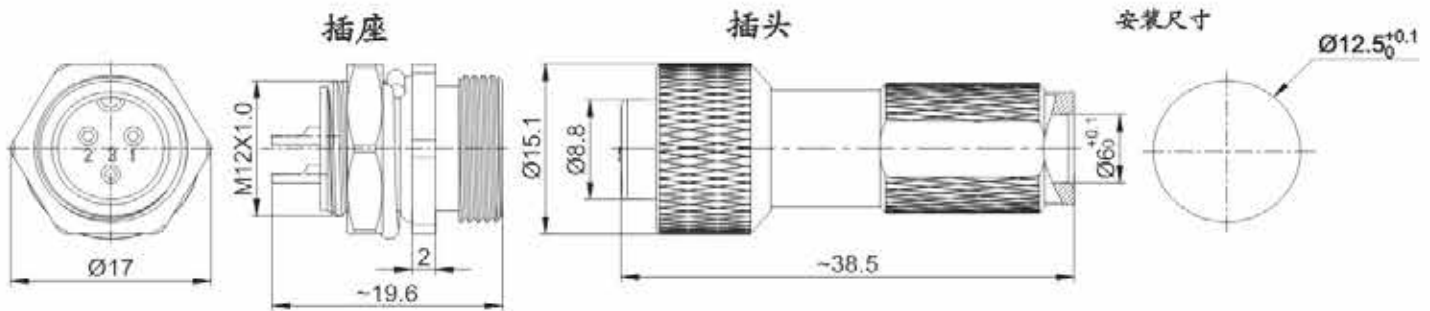
- Working temperature: -55~+125℃
- Relative humidity: temperature is 40 ± 2℃, reach 95 ± 3%
- Atmospheric pressure: reach 101.3KPa
- Collision: Frequency 10 - 2000Hz, reach 196m/S²
- Impact: 980m/S²
- Working voltage: 200V
- Voltage resistance: 1500V
- Contacts resistance: 3mΩ
- Insulation resistance: 2000MΩ
- Life duration: 500times

产品材料

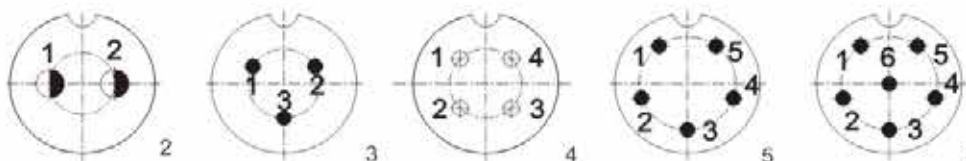
- 外壳：铜合金（镀亚光镍）
- 绝缘体：尼龙
- 针孔：铜合金（镀金）

Products material:

- Shell: Machining brass (matt nickel plating)
- Insulation: PA66
- Contacts: Copper alloy (Gold plating)



型谱图 Insert arrangement



接触件直径

- Ø1.5
- Ø1.0
- Ø0.9

SX 系列连接器

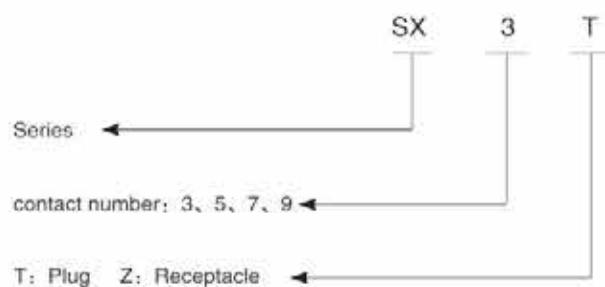
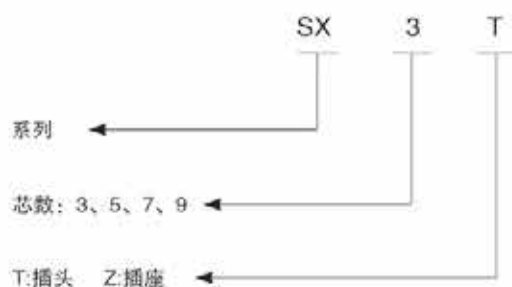
SX series connector

SX连接器是全塑料外壳直插锁紧的结构,可供无线电设备连接直流或交流电路用,其工作电压不大于280V,接触对电流不大于21-86.

SX series connector is a whole plastics the outer shell keep putting to lock tight structure ,canning be provided as the conjunction directing current of the wireless equipments or communicating the electric circuit uses . Its work electric voltage is no bigger than 280V, getting in touch with to be no bigger than to the electric current 21-86.



命名 How to order

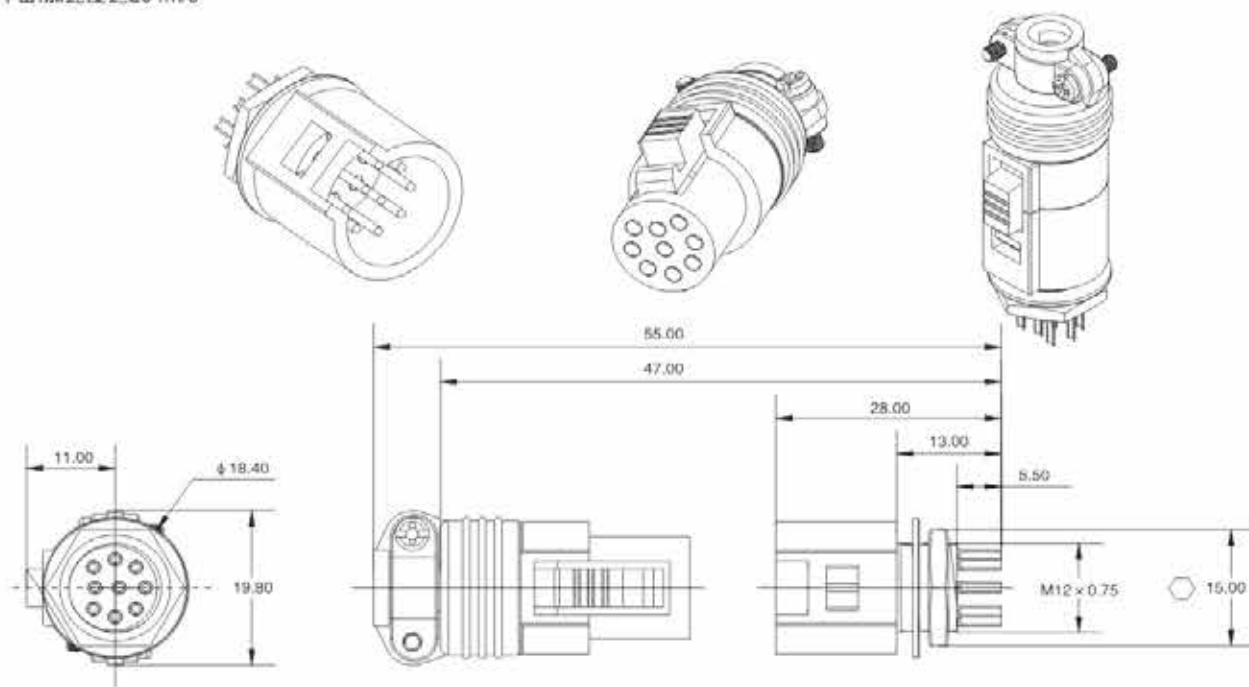


(1) 使用工作条件

- 环境温度: -55~85℃
- 大气压力: 4.5Kpa
- 振动: 振频10~200HZ, 加速度达98m/s²
- 相对湿度: 温度为40±2℃时达96%
- 冲击: 加速度达294m/s²

Service environmental condition

- Ambient temperature: -55 ~ 85℃
- Atmospheric pressure: Reach 4.5Kpa
- Vibration: Frequency 10 ~ 200HZ, acceleration 98m/s²
- Relative humidity: Temperature is 40 ± 2degrees centigrade reach 96%
- Impact: Acceleration 294m/s²



ZH8525系列圆形电连接器

ZH8525 series circular electric connector

ZH8525系列连接器符合GJB598A-1996(MIL-C-26482G 系列II), 本连接器连接方式采用卡口连接, 接触件端接形式为焊接、压接。该产品具有快速分离或连接, 体积小、重量轻、耐环境、可靠性高等特点。主要适用于航空、航天、航海等电子设备的电器连接。

Zh8525 series connector compliant with GJB598A-1996(MIL-C-26482G Series II). These series connector adopts bayonet connection, welding contact termination and crimp contact termination. The product has a rapid separation or connection, small size, light weight, environment resistant, high reliability characteristics. Mainly used in aviation, Aerospace, navigation and other electronic.



使用条件及主要性能

- 工作温度: $-55^{\circ}\text{C} \sim +200^{\circ}\text{C}$
- 工作气压: 101.33KPa ~ 4.39KPa
- 相对湿度: $40^{\circ}\text{C} \sim 65^{\circ}\text{C}$ 时达(95% ~ 98%)
- 耐盐雾: 根据GJB1217方法测铝合金 $\geq 48\text{h}$; 不锈钢 $\geq 500\text{h}$;
- 壳体材料: 不锈钢钝化或铝合金
- 接触件: 铜合金(镀金)
- 安装板绝缘体: 耐热性塑料
- 密封件: 硅橡胶
- 机械寿命: 500次

Service environmental condition

- Operating temperature: $-55^{\circ}\text{C} \sim +200^{\circ}\text{C}$
- Working pressure: 101.33KPa ~ 4.39KPa
- Relative humidity: Temperature $40^{\circ}\text{C} \sim 65^{\circ}\text{C}$ at (95% ~ 98%)
- Salt spray: According to method 1001 GJB1217
Aluminum alloy $\geq 48\text{h}$
Stainless steel $\geq 500\text{h}$
- Housing material: Aluminum alloy/stainless steel
- Contact: Gold plated copper alloy
- Insulator: Heat resistant plastic
- Grommet and seal: Silicon rubber
- Endurance: 500 cycles

接触电阻 (m Ω) Contact resistance (m Ω)

接触件号 Contact size	12#	16#	20#
非密封接触电阻 Non sealed contact resistance	≤ 2.2	≤ 3.8	≤ 7.4
密封接触电阻 Sealed contact resistance	≤ 3.8	≤ 6.5	≤ 14

绝缘电阻: 正常条件 $\geq 5000\text{M}\Omega$; 湿热条件 $\geq 100\text{M}\Omega$;
Insulating resistance: Normal $\geq 5000\text{M}\Omega$ Damp heat $\geq 100\text{M}\Omega$

额定电流(A) Current rating (A)

接触件号 Contact size	密封 Non sealed contact resistance	非密封 Sealed contact resistance
20#	7.5	5
16#	13	10
12#	23	17

标记说明

主称代号	ZH8525	02H	18	B	32	P	N	V	-C
连接体类型									
1H-圆形气密封插座									
02H-方形气密封插座									
07H-螺母安装气密封插座									
10N(-C) 方形穿墙气密封插座									
07N(-C) 螺母安装穿墙气密封插座									
壳体号									
08, 10, 12, 14, 16, 18, 20, 22, 24									
连接方式									
B-卡口连接 T-螺纹连接									
接触件代号									
(详见附表)									
接触件类型									
P-插针 S-插孔									
镀层处理									
N, W, X, Y, Z (详见附表)									
密封材料									
F-硅橡胶(穿墙气密封插座不标记) V-氟橡胶									
标记说明									
不标记-气密封插座 C-穿墙气密封插座									

Ordering information

Basic Series	ZH8525	02H	18	B	32	P	N	V	-C
Products type									
1H-Circular sealing receptacle									
02H-Square flange sealing receptacle									
07H-Jam nut sealing receptacle									
10N(-C) Wall through square flange receptacle									
07N(-C) Wall through circular receptacle									
Shell Size									
08, 10, 12, 14, 16, 18, 20, 22, 24									
Connection type									
B-Bayonet connection T-threading connection									
Contact number									
(See insert arrangement)									
Contact type									
P-Pin S-Socket									
Polarization									
N, W, X, Y, Z (see the polarization key)									
Sealing material									
Omit- silicon rubber V-fluorinated silicone rubber									
Marking instruction									
Omit-sealing receptacle C-wall-through sealing receptacle									

ZH8525系列圆形电连接器

ZH8525 series circular electric connector

尾部附件标记说明

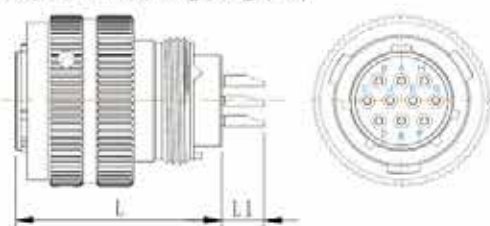
主称代号	ZH8525	-1	A	18
附件类型				
01 筒式尾部附件				
02 直夹线式尾部附件				
03 弯夹线式尾部附件				
04 弯形尾附件				
05 屏蔽式尾部附件				
06 弯夹线附件				
表面处理				
R 蓝色阳极化				
N 镀镍				
W 镀军绿锡				
G 镀彩虹锡				
A 黑色阳极化				
H 不锈钢钝化				
壳体号：				
08, 10, 12, 14, 16, 18, 20, 22, 24				

Ordering information for cable accessories

Basic Series	ZH8525	-1	A	18
Products type				
01 Simple cable accessories				
02 Straight clamping cable accessories				
03 elbow clamping cable accessories				
04 elbow cable accessories				
05 straight shield cable accessories				
06 elbow shield cable accessories				
Material and Plating				
R- Black anodized , Aluminium alloy				
N- electroless nickel plating , Aluminium alloy				
W- Army green cadmium plating , Aluminium alloy				
G- Rainbow cadmium plated,aluminum alloy				
H- Passivation stainless steel				
A-black anodizing				
Shell Size				
08 , 10 , 12 , 14 , 16 , 18 , 20 , 22 , 24				

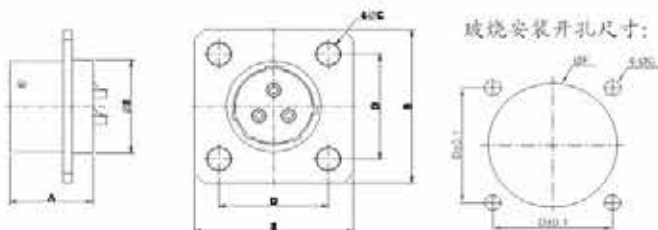
外形尺寸 Outline dimensions

卡口连接插头 (16) Quick bayonet coupling plug (16)



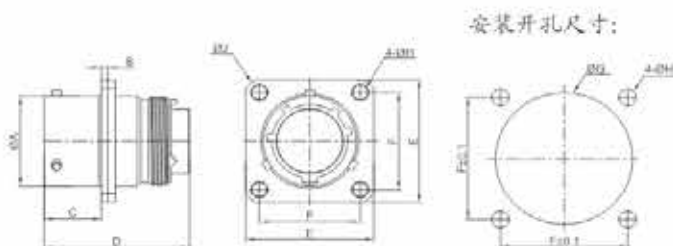
壳体号 Housing size	L	L1
08	29.7	6.3
10	29.7	6
12	29.7	6.3
14	29.7	6.3
16	29.7	6.3
22	31.7	5.7

方盘气密性插座 (02H) Sealed square flange receptacle (02H)



壳体号 Housing size	ΦF	A	B	ΦC	D	ΦE
12	19.8	19.5	32	4.6	22	19.5

卡口连接方盘安装插座 (压接) Bayonet flange receptacle (Crimp type)



壳体号 Housing size	ΦA	B	C	D	E	F	G	H
12	19.02	1.3	11.7	29.7	26.3	20.62	21.95	3.1
14	22.2	1.2	11.6	30	28.5	23	25.12	3.2
16	25.37	1.3	11.7	29.7	31.1	24.6	28.3	3.1
18	28.55	1.3	11.7	29.7	33.5	27	31.5	3.1
22	34.9	2.2	14.4	31.7	39.8	31.8	37.6	3.1

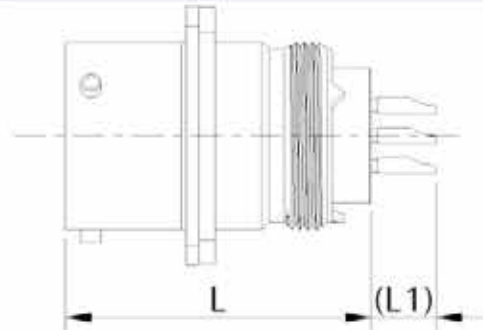
ZH8525系列圆形电连接器

ZH8525 series circular electric connector

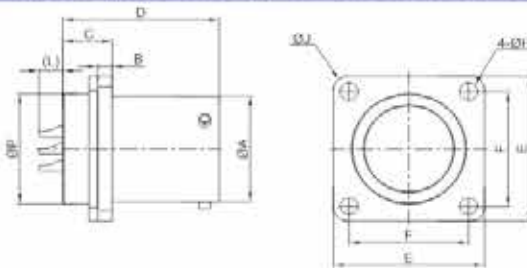
卡口连接方盘安装插座 (压接) Bayonet flange receptacle (Crimp type)

方盘安装插座 (焊接)
Bayonet flange receptacle (Soldering type)

壳体号 Housing size	L	(L1)
12	29.7	6.3
14	29.7	6.3
16	29.7	6.3
18	29.7	6.3
22	31	5.7



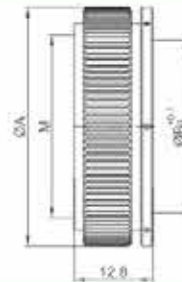
卡口连接方盘安装插座 Bayonet flange receptacle



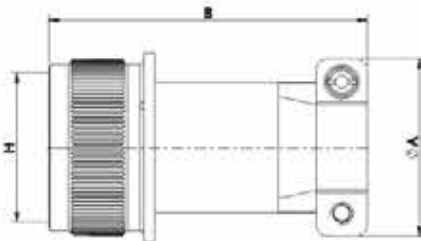
壳体号 Housing size	ΦA	B	C	D	E	F	ΦP	ΦH	ΦJ	L
08	11.98	1.3	7.3	19	20.55	15.1	14.25	3.1	27	3.5
10	15.1	2.5	8.5	27	23.9	18.26	17	3.1	31.5	4
12	19.02	2.5	8.5	27	26.3	20.62	19.83	3.1	34.4	4.1
14	22.15	2.5	8.5	27	28.65	23	23	3.1	38	4.1
16	25.4	2.5	8.5	27	30.9	24.6	26.2	3.1	41	4.1

筒式尾部附件: (代号01) Simple cable accessories (No. 01)

壳体号 Housing size	A	B	M
8	15.6	6.85	0.5-20UNEF-2B
10	18.55	9.5	0.625-24UNEF-2B
12	21.7	12.9	0.75-20UNEF-2B
14	24.9	14.85	0.875-20UNEF-2B
16	28.15	18.03	1-20UNEF-2B
18	30.85	20.04	1.0625-18UNEF-2B
20	34.1	23.21	1.1875-18UNEF-2B
22	37.2	26.39	1.3125-18UNEF-2B
24	40.4	29.3	1.4375-18UNEF-2B



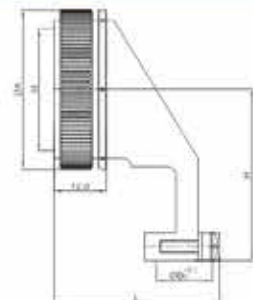
直夹线尾部附件: (代号02) Straight clamping cable accessories (No. 02)



壳体号 Housing size	ΦA	B	H(螺紋) Thread H
10	20	39.4	5/8-24UNEF-2B
12	23.5	41	3/4-20UNEF-2B
16	29.5	39.2	1-20UNEF-2B
22	39	27.4	1.3125-18UNEF-2B

弯夹线式尾部附件: (代号03) Elbow clamping cable accessories (No. 03)

壳体号 Housing size	A	B	M	L	H
8	15.6	4	0.5-20UNEF-2B	23.85	20
10	18.55	6.85	0.625-24UNEF-2B	25.35	22.2
12	21.7	10.15	0.75-20UNEF-2B	26.95	24
14	24.9	11.7	0.875-20UNEF-2B	27.75	25.5
16	28.15	15.5	1-20UNEF-2B	29.65	27
18	30.85	17.5	1.0625-18UNEF-2B	30.65	28.6
20	34.1	20.7	1.1875-18UNEF-2B	32.25	30.1
22	37.2	23.9	1.3125-18UNEF-2B	33.85	31.9
24	40.4	27	1.4375-18UNEF-2B	35.35	33.4

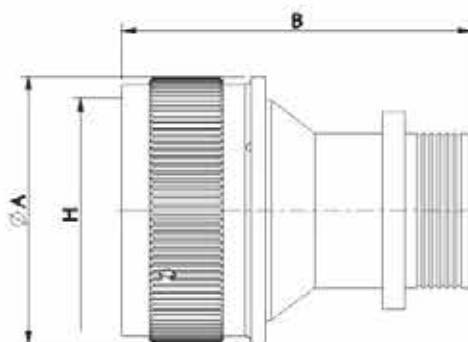


ZH8525系列圆形电连接器

ZH8525 series circular electric connector

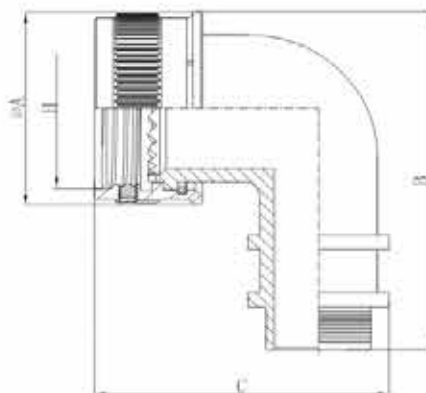
屏蔽型尾部附件 (代号05) Shield cable accessories (No. 05)

壳体号 Housing Number	φ A	B	H(螺纹) Thread H
12	25	32.6	3/4-20UNEF-2B
14	25	32.6	7/8-20UNEF-2B
16	28.2	32.6	1-20UNEF-2B
22	30.9	32.6	1.3125-18UNEF-2B



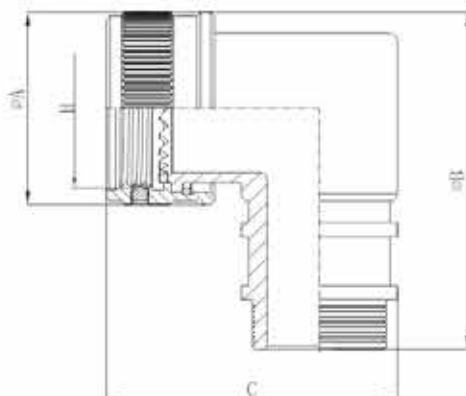
弯夹尾部附件 (代号06) elbow cable accessories (No. 06)

壳体号 Housing Number	φ A	B	C	H(螺纹) Thread H
08	17.6	37.8	34.05	20UNF-2B
10	21.2	41.1	35.8	0.625-24UNF-2B
12	24	44.3	37.65	20UNF-2B
14	27	47.25	39.6	0.875-20UNF-2B
16	30.3	50.55	41.25	20UNF-2B
22	38.1	59.25	47.4	1.3125-18UNF-2B



改型弯式尾部附件: (代号06-0) Modified elbow cable accessories (No.06-0)

壳体号 Housing size	φ A	B	C	H(螺纹) Thread (H)
08	17.6	37.8	34.05	20UNF-2B
10	21.2	41.1	35.8	0.625-24UNF-2B
12	24	44.3	37.65	20UNF-2B
14	27	47.25	39.6	0.875-20UNF-2B
16	30.3	50.55	41.25	20UNF-2B
22	38.1	59.25	47.4	1.3125-18UNF-2B



ZH8525系列圆形电连接器

ZH8525 series circular electric connector

绝缘体孔位排列 (从针绝缘体插合面看) Insert Arrangement (Front view of pin insert)

插针直径: ● 20# 16# 12# 12#功率 8#

8	8-33  3-20#	8-3A  3-20#	8-4  4-20#				
10	10-6  6-20#	10-6B  6-20#					
12	12-3  3-16#	12-8  8-20#	12-10  10-20#	12-31  3-12# (功率)	12-41  2-16# 2-12# (功率)		
14	14-4  1-12# (功率)	14-9  3-16#	14-9  2-20# 3-12# (功率)	14-12  4-16# 4-20#	14-15  1-16# 14-20#	14-18  18-20#	14-19  19-20#
14	14-11  2-12# 3-20#	14-91  3-12# 6-20#					
16	16-8  8-16#	16-14  8-20# 6-12#	16-23  1-16# 22-20#	16-36  26-20#	16-36  6-20# 2-8# (功率)	16-162  2-16# 21-20#	
18	18-8  8-12#	18-11  11-16#	18-30  1-16# 29-20#	18-32  32-20#	18-85  3-20# 8-12#	18-85  3-20# 3-20#	
20	20-16  16-16#	20-19  11-20#	20-24  24-20#	20-27  27-20#	20-39  2-16# 32-20#	20-11  11-20#	20-30  12-12# 34-20#
22	22-12  12-12#	22-13  13-16# 12-20#	22-18  18-16# 14-12#	22-19  19-12#	22-21  21-16#	22-32  32-20#	22-34  34-20#
22	22-55  55-20#	22-45  16-16# 20-20#	22-96  2-8# (功率)				
24	24-19  19-12#	24-27  1-20# 14-12#	24-29  24-16# 1-12#	24-31  31-16#	24-56  12-16# 4-12# 18-20#	24-61  61-20#	24-62  62-20#
24	24-91  3-20# (功率)						

Y11系列圆形连接器

Y11 Series circular electric connector

Y11系列圆形连接器广泛应用于各种军用电台及各种电气设备或车载电气设备与电缆间的电连接。具有快速连接和快速分离、耐环境、体积小、重量轻等特点，可应用航天、航空、军事等领域，产品符合GJB101A-1997（等同于MIL-C-26482G系列）。

Y11 series circular connectors are widely used in various military radio electrical equipment and vehicle, between the cable and electrical equipment connection. Bayonet coupling and quick separation, environment resistant, small volume, light weight and so on. These connectors can be used in aero space, aviation, military and other fields. products compliant with GJB101A-1997 (similar as MIL-C-26482G Series).



使用条件及主要性能

- 使用环境条件
- 工作温度：-55℃ ~ +125℃
- 工作气压：101.33KPa ~ 4.39KPa
- 相对湿度：40±2℃时，90%~95%
- 振动：正弦振动：10~2000Hz，加速度196m/S²
- 冲击：980m/S²
- 耐盐雾：48h
- 壳体材料：铝合金/不锈钢
- 接触件：铜合金(镀金)
- 安装板绝缘体：热塑性塑料
- 机械寿命：500次

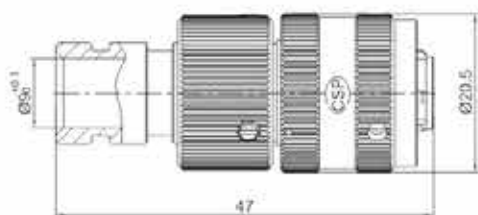
插针直径 Contacts diameter	额定电流 Rated current	额定电压 Rated voltage	接触电阻 Contacts Resistance
1.0 mm	5A	250	≤ 15 mΩ
1.5 mm	10A	250	≤ 10 mΩ

Service environmental condition

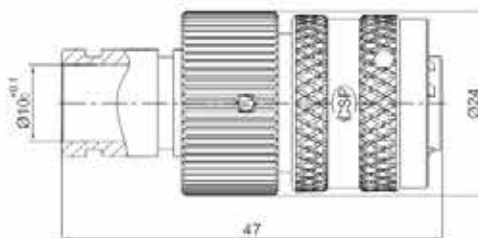
- Main technical characteristics
- Working temperature -55℃ ~ +125℃
- Atmosphere: 101.33KPa ~ 4.39KPa
- Relative humidity: 40±2℃ at 90%~95%
- Vibration: 10~2000Hz, 196m/S²
- Shock: 980m/S²
- Salt spray: 48h
- Shell material: aluminum alloy / Stainless steel
- Contacts: gold plated over cooper alloy
- Insulator material: thermoplastic
- Endurance: 500 cycles

环境 Environment	试验电压 Test voltage	绝缘电阻 Insulation resistance
Normal 常态	500V	≥ 2000 MΩ
Moisture 高温	500V	≥ 50 MΩ
Low Pressure 潮湿	200V	≥ 20 MΩ

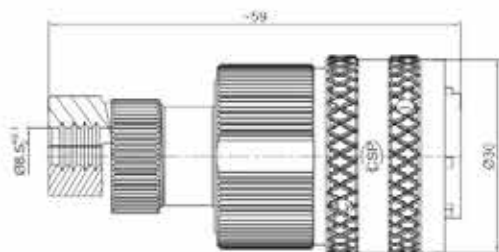
Y11P-0804TJ5插头 Y11P-0804TJ5 Cable plug



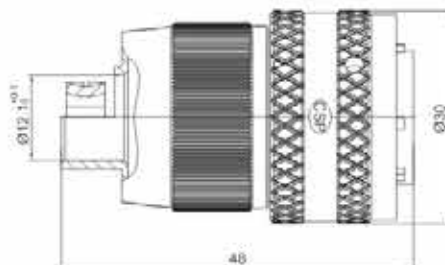
Y11P-1007TJ5插头 Y11P-1007TJ5 Cable plug



Y11P-1419TJ01插头 Y11P-1419TJ01 Cable plug



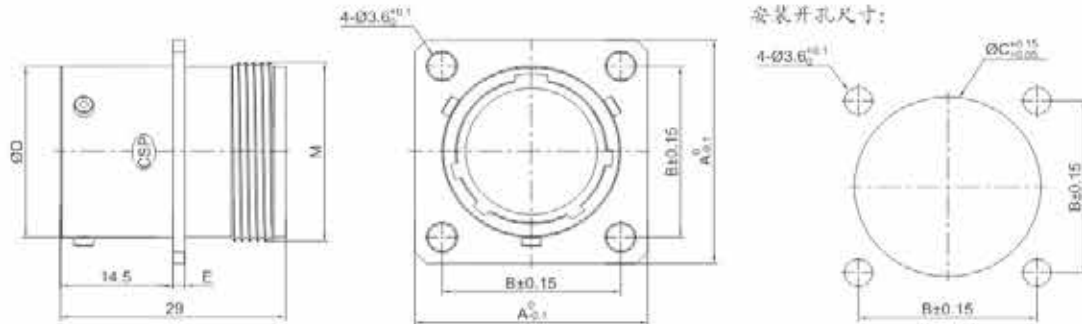
Y11X-1419TK2插头 Y11X-1419TK2 Cable plug



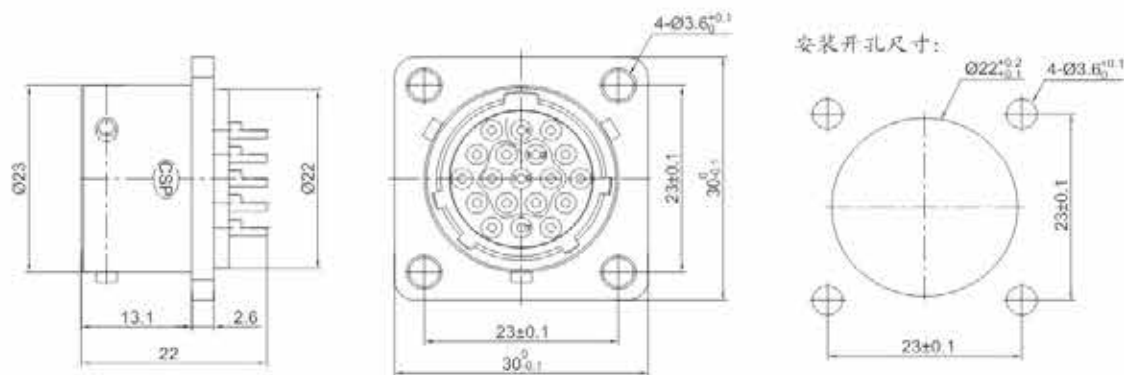
Y11系列圆形连接器

Y11 Series circular electric connector

Y11系列方盘插座 Y11Series panel receptacle



Y11H1419ZJ10a玻璃密封插座 Y11H1419ZJ10a Sealed glass sintering receptacle



壳体号 Shell size	A	B	C	D	E	M
08#	21	15	14	13	1.5	M14 ×1.0
10#	24	18	18	16	1.5	M18 ×1.0
12#	27	21	20	20	1.5	M20 ×1.0
14#	30	23	24	23	1.5	M24 ×1.0
16#	33	25	27	26	1.5	M27 ×1.0

绝缘安装板孔位排列 Insert arrangement

0804



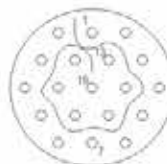
1007



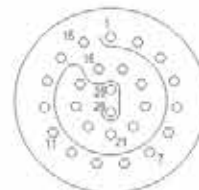
1210



1419



1626


插针直径: $\Phi 1.0$

XNY 系列连接器 XNY Series connectors

XNY系列连接器主要用于电动汽车行业，为设备之间提供稳定的高压、大电流传输和信号线传输。本系列产品头座连接采用的是快速推拉式锁紧结构，能实现自动锁紧，特别适用于操作空间小，安装空间有限的场合。XNY产品有五种防误插的键位并且每种键位对应不同的颜色，能实现结构上和视觉上的真正防误插，并且外观的显著位置有主键位标识，方便客户使用，防护等级IP67。

XNY series connector is mainly used for the electric vehicle industry, to provide a stable voltage between devices, large current transmission and signal transmission, these series of products using pull push locking structure, can realize automatic locking, especially suitable for the operation of small space and limited installation space. XNY product has five kinds polarization key to avoid mismatching, and each key corresponding to different colors, Waterproof degree IP67.



产品命名

主称代号 XNY T 20 07 P A R

连接器类型：

T：直式插头

Z：面板式插座

壳体号：

20

接触件数目：

01, 07, 19

接触件类型：

P：插针 S：插孔

键位：

A：150度 K：150度 (详见键位图)

颜色：

R：红色 B：黑色

Ordering information

Basic series XNY T 20 07 P A R

Connector type：

T：Straight cable plug

Z：Panel receptacle

Shell size：

20

No. of contacts：

01, 07, 19

Contacts type：

P：Pin S：Socket

Polarization key：

A：150 degree K：150 degree

Colour：

R：Red B：Black

使用条件及主要性能

- 工作温度：-40℃ ~ +125℃
- 相对湿度：90%~95% (40℃ ± 2°)
- 壳体材料：铝合金
- 接触件材料：铜合金 (镀银)
- 绝缘体材料：橡胶/热塑性塑料
- 密封垫圈：硅橡胶
- 机械寿命：1000次
- 端接方式：压接
- 防水等级：IP67

Service environmental condition

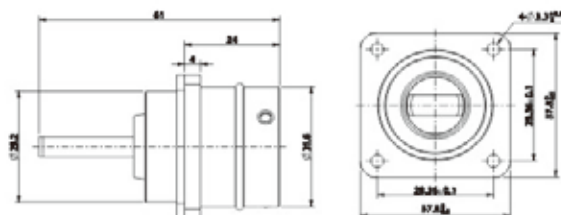
- Working temperature：-40℃ ~ +125℃
- Relative humidity：90%~95% (40℃ ± 2°)
- Shell material：Aluminum alloy
- Contact material：Copper alloy / Gold plated
- Insulator：Thermoplastic
- Sealing and grommet：Silicon rubber
- Endurance：1000 cycles
- Contact termination：crimping
- Waterproof degree：IP67

接触件规格 Contact diameter (mm)	接触电阻 Contacts resistance (mΩ)	额定电流 Rated current (A)
∅8	≤0.3	150
1.7	≤5	13

芯数 No. of contacts	耐电压 Withstand voltage (V)	额定电压 Rated voltage (V)	绝缘电阻 Insulation resistance (MΩ)
单芯 Single pin	3000V	800V	>5000
多芯 Multi-pin	1550V	220V	>2000

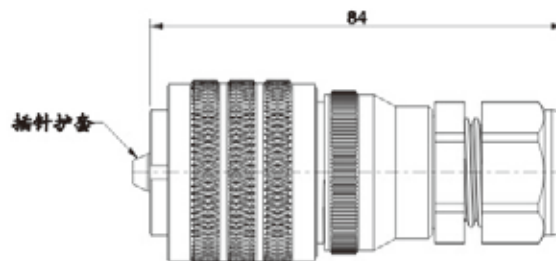
单芯面板插座

Single pin panel receptacle



单芯电缆插头

Single pin cable plug

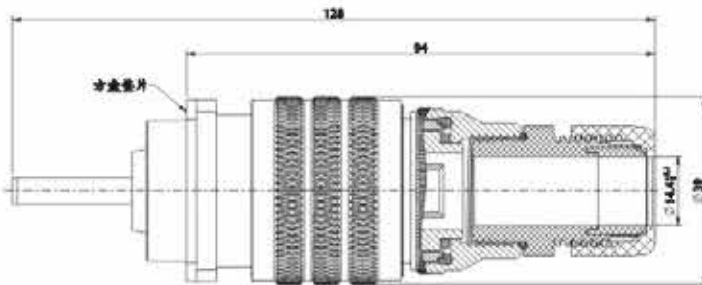


XNY 系列连接器

XNY Series connectors

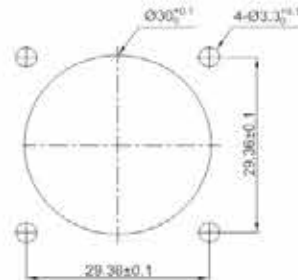
单芯电缆插头与面板插座配合尺寸

Single pin cable plug mate with panel receptacle dimensions

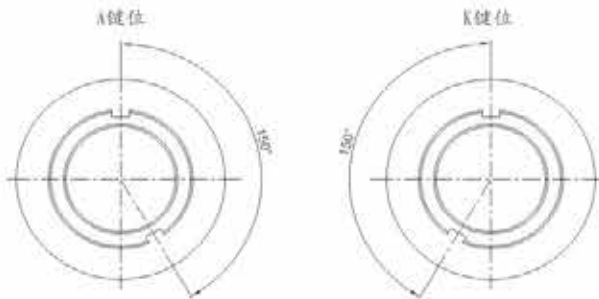


建议安装开孔尺寸

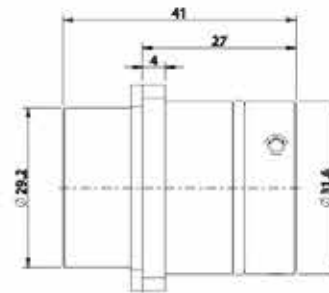
Recommended mounting dimensions



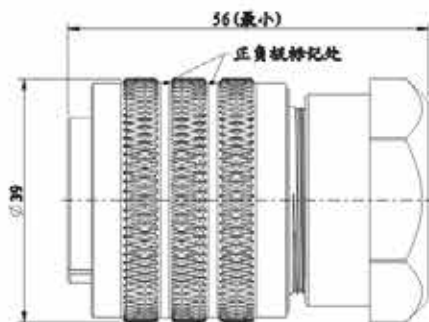
键位图 Polarization key



多芯面板插座 Multi-pin panel receptacle

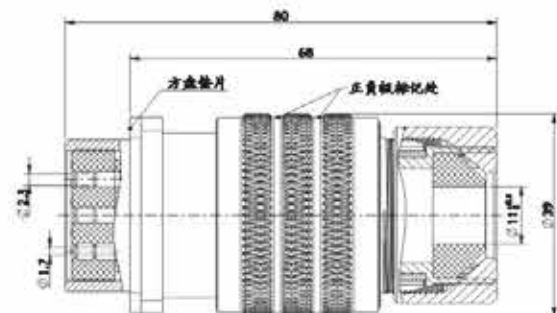


多芯电缆插头 Multi-pin cable plug

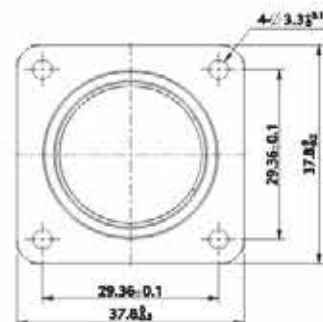
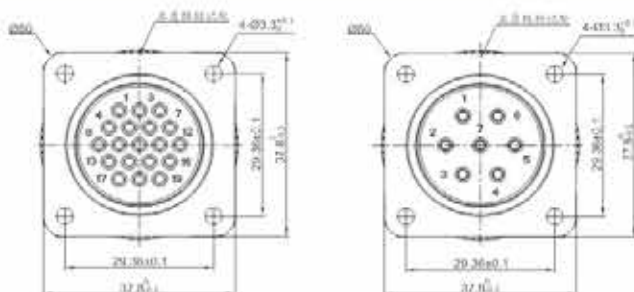


多芯电缆插头与面板插座配合尺寸

Multi-pin cable plug mate with panel receptacle dimensions



孔位排列 Insulator insert arrangement



NCP系列圆形电连接器 NCP Series circular electronic connectors

NCP系列圆形电连接器是CP系列圆形电连接器的改型产品，其连接方式为螺纹连接。接触件端接形式为焊接或板接。产品具有体积小，密度高，耐环境好、可靠性高等特点。符合GJB600-1988，螺纹连接圆形电连接器总规范。

NCP series circular electronic connector is modified product of CP series electrical connector, threaded coupling connections. The contact terminal is welded type or PCB type, these products has the advantages of small volume, high density, anti-environment, high reliability features. NCP16 connectors is compliant to GJB600-1988 general specification for electrical connector thread connection.



产品命名

	NCP	16	J	7	P	J
主称代号						
面板直径:						
16						
接触件种类						
J: 插针 K: 插孔						
接触件数量目:						
(详见型谱图)						
连接类型						
P: 插头						
A: 插座						
A1: PCB板插座						
接触件镀层:						
J: 镀金						
不标: 镀银						

Ordering information

	NCP	16	J	7	P	J
Basis series						
Shell size:						
16						
Contact type						
J: Pin K: Socket						
No. of contacts:						
(see the insert arrangement)						
Connector type						
P: cable plug						
A: Panel receptacle						
A1: PCB mounting panel receptacle						
Contacts						
coating:						
J: Gold plating						
No marking						
silver plating						

主要技术参数

- 工作温度: $-55 \sim +125^{\circ}\text{C}$
- 工作气压: $101.33\text{KPa} \sim 4.39\text{KPa}$
- 相对湿度: $90\% \sim 95\% (40 \pm 2^{\circ}\text{C})$
- 耐盐雾: 48h;
- 壳体材料: 铝合金
- 表面处理: 黑色电泳
- 接触件: 铜合金(镀金或镀银)
- 安装板绝缘体: 热塑性塑料
- 机械寿命: 500次

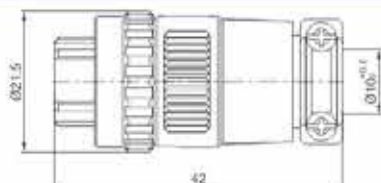
Main Characteristic

- Working temperature: $-55 \sim +125^{\circ}\text{C}$
- working air pressure: $101.33\text{KPa} \sim 4.39\text{KPa}$
- relative humidity: $90\% \sim 95\% (40 \pm 2^{\circ}\text{C})$
- Salt spray: 48h;
- Shell material: aluminum alloy
- Surface treatment: Black electrophoresis
- Contacts: Copper alloy / Gold plated
- Insulator material: Thermoplastic
- Endurance: 500 cycles

NCP16方盘插座 NCP16 Panel receptacle



NCP16 插头 NCP16 cable plug



绝缘安装板孔位排列 Insert arrangement

系列 Series	3芯	5芯	7芯
CP16			
接触体直径(mm) Contact diameter	1.6	1.0	1.0
接触电阻(mΩ) Contact resistance	4	6	6
绝缘电阻(MΩ) Insulator resistance	5000	5000	5000
工作电压(V) Work.voltage	17	10	10
测试电压(V) Test voltage	1500	1250	1250
工作电压(V) Working voltage	800	500	500

HY系列圆形电连接器

HY series circular electric connector

HY系列连接器符合GJB5976-2007《耐环境旋锁式快速分离圆形电连接器通用规范》，本连接器连接方式采用旋锁式连接，接触件端接形式为焊接，插孔接触件为劈槽孔。该产品具有快速分离或连接，体积小、重量轻、耐环境、可靠性高等特点。主要适用于航空、航天、航海等电子设备的电器连接。

HY series connector compliant with GJB5976-2007《environment resistant rotary lock type fast separation circular electric connectors general specification》，the connector adopts rotary connection lock type, welding contact termination. The product has a rapid separation or connection, small size, light weight, environment resistant, high reliability mainly used for aviation, aerospace, navigation and other electronic equipment electrical connections.



使用条件及主要性能

- 工作温度：-65℃ ~ +125℃
- 工作气压：101.33KPa ~ 4.39KPa
- 相对湿度：40 ± 2℃, 95 ± 3%
- 振动：10 ~ 2000Hz, 加速度196m/s²
- 冲击：加速度980m/s²
- 耐盐雾：铝合金阳极氧化 48h;
- 铝合金化学镀暗镍 96h;
- 不锈钢 1000h;
- 铜合金镀镍 500h;
- 振动：功率频谱密度0.4g/Hz
- 壳体材料：铝合金/铜合金/不锈钢
- 接触件：铜合金(镀金)
- 安装板绝缘体：聚苯硫醚
- 机械寿命：500次
- 插座气密性：橡胶密封的漏气速率 ≤ 1 × 10⁻³ - PaL/s;
- 烧结密封的漏气速率 ≤ 1 × 10⁻⁷ PaL/s

Service environmental condition

- Operating temperature: -65℃ ~ +125℃
- Working pressure: 101.33KPa ~ 4.39KPa
- Relative humidity: Temperature 40 ± 2℃, at 95 ± 3%
- Collision: Frequency 10 ~ 2000Hz, reach 196m/s²
- Impact: 980m/s²
- Cooper alloy: ≥ 500h
- Housing material: Aluminum alloy/stainless steel
- Contact: Gold plated copper alloy
- Insulator: Heat resistant plastic
- Grommet and seal: Silicon rubber
- Endurance: 500 cycles
- Air tightness: Rubber sealed socket leak rate ≤ 1 × 10⁻³ - PaL/s
- Glass sintering socket ≤ 1 × 10⁻⁷ PaL/s

插配直径 mm Contact diameter	接触电阻 mΩ Contacts resistance		额定电流 A Rated current	焊杯孔径 mm Soldering cup diameter
	铜 Cooper alloy	铁 Kovar		
1	5	12	7.5(HY1A系列为5)	1.4
1.5	3	10	HY1A Series 5A	1.8
2.5	1.5	5	25	3
5	0.7	/	75	6.5
7	0.5	/	100	8
12	0.3	/	250	12.5

注：HY27G系列连接器型谱中的1203在标准条件下的耐电压为1500V。外壳间电连续性：铝（导电处理）和铜基体 ≤ 8mΩ；不锈钢 ≤ 50mΩ。

系列 Series	绝缘电阻 Insulation resistance (MΩ)				耐电压 withstand voltage (V)	
	标准条件 Normal temperature	高温 heat		湿热 Heat & Damp	标准条件 Normal	低气压 Altitude
		普通 Normal type	烧结 Glass sintering			
HY1Q	1000	500	200	50	1000	100
HY1A、HY1B	4000	1000	200	100	1300	200
HY1G、HY27F、HY27G	5000	1000	200	100	2000	200
HY1H	5000	1000	200	100	2500	300

Note: HY27G series connector insert arrangement in 1203 test under the standard conditions for high voltage 1500V electrical continuity
Shell: Aluminum (conductive treatment) and copper alloy shell ≤ 8mΩ, stainless steel shell passivation ≤ 50mΩ.

HY系列圆形电连接器

HY series circular electric connector

插头标记示例

HY1	A	1	-08	04	T	J	L	1		
1	2	3	4	5	6	7	8	9	10	

Ordering information for connectors

HY1	A	1	-08	04	T	J	L	1		
1	2	3	4	5	6	7	8	9	10	

序号	名称	标志代号	分类内容
1	产品系列	HY1、HY27	
2	分系列号	C	Q:直径为0.8mm 的接触件,耐电压1000V(AC)
		A	A:直径为1.0mm 的接触件,耐电压1300V(AC)
		E	B:直径从1mm~12mm 的接触件,耐电压1300V(AC)
		F	F:直径为1.0mm 的接触件,耐电压2000V(AC)
		G	G:直径为1mm~12mm 的接触件,耐电压2000V(AC)
		H	H:直径从1mm~12mm 的接触件,耐电压2500V(AC)
3	定位键变换	1	壳体上定位键变换为第一种形式,1可以不标出
		2	壳体上定位键变换为第二种形式
		3	壳体上定位键变换为第三种形式
		4	壳体上定位键变换为第四种形式
		5	壳体上定位键变换为第五种形式
4	壳体号	08,10,12,14,16, 18,20,22,24,26, 28,30,32	数字越大则壳体越大
5	接触件数	...	用两位至三位数字表示连接器中接触件的个数
6	连接器形式	T	自由插拔式
		Z	固定式
7	接触件形式	J	焊接式插针
		J1	压接式插针(仅用于直径不大于3.5mm 的接触件)
		J2	印刷板式插针
		K	焊接式插座
		K1	压接式插座(仅用于直径不大于3.5mm 的接触件)
		K2	印刷板式插座
8	安装形式	L	电缆式
		E、Ba、Bb、Bc、 Be、Bn	方形法兰盘安装式
		Bd	方形法兰盘安装密封式
		M、Me、Mk	螺母并紧安装(含密封垫圈)式
		C、Ce、Ck	螺母并紧穿墙安装(含密封垫圈)式
		Ca	方形法兰盘穿墙安装式
		Cd	方形法兰盘穿墙安装密封式
9	固定连接器 密封形式	不标注	橡胶密封
		F	玻璃密封
10	镀层种类	1	铝合金化学沉积导电镍
		2	铝合金电镀后镀银并应处理导电的
		3	不锈钢导电氧化
		4	铝合金阳极氧化
		5	铜合金化学沉积导电镍
		6	浸锡
		7	镀金
11	分离形式	不标注	旋锁式

No	Code meaning	Classified content
1	HY1、HY27	
2	Serial number	C: Contact diameter 0.8mm, withstand voltage 1000V(AC)
		A: Contact diameter 1.0mm, withstand voltage 1300V(AC)
		B: Contact diameter 1mm ~ 12mm, withstand voltage 1300V(AC)
		F: Contact diameter 1.0mm, withstand voltage 2000V(AC)
		G: Contact diameter 1mm ~ 12mm, withstand voltage 2000V(AC)
		H: Contact diameter 1mm ~ 12mm, withstand voltage 2500V(AC)
3	Polarization	1: The positioning key on the shell is 1. Omit 1.
		2: The positioning key on the shell is 2.
		3: The positioning key on the shell is 3.
		4: The positioning key on the shell is 4.
		5: The positioning key on the shell is 5.
4	Shell size	08,10,12,14,16,18,20,22,24,26,28,30,32 The larger the number, the larger the shell
5	No. of contacts	...
6	Connect or type	T: Cable plug
		Z: Panel receptacle
7	Contact type	J: Soldering Pin
		J1: Crimping pins (only use for diameter ≤ 3.5mm contacts)
		J2: PCB type pin
		K: Soldering socket
		K1: Crimping socket (only use for diameter ≤ 3.5mm contacts)
		K2: PCB type socket
8	Installation type	L: Cable connecting receptacle
		B、Ba、Bb、Bc、Be、Bn: Square flange receptacle
		Bd: Glass sintering square flange sealing receptacle
		M、Me、Mk: Glass sintering jar nut sealing receptacle
		C、Ce、Ck: Glass sintering through-wall sealed adapter
		Ca: Square flange through-wall sealed adapter
		Cd: Glass sintering Square flange through-wall sealed adapter
9	Sealed type	No mark: Rubber sealed
		F: Glass sintering
10	Housing plating	1: Aluminum alloy electroless nickel plating
		2: Aluminum alloy cadmium plating
		3: Stainless steel passivation
		4: Aluminum alloy Hard anodizing
		5: copper alloy electroless nickel plating
		6: Tin plating
		7: Gold plating
11	Lock type	No mark: Rotary lock
		F: Lanyard release

HY系列圆形电连接器

HY series circular electric connector

尾部附件标记示例

HY1	-10	B	a	5
1	2	3	4	5

尾部附件命名

序号	名称	标志代号	分类内容
1	产品系列	HY1、HY27	
2	壳体号	08,10,12,14,16,18,20,22,24,26,28,30,32	数字越大则壳体越大
3	附件形式	不标注	不配尾部附件
		A	模缩套式
		B	夹线板直式
		C	密封屏蔽夹线板直式
		CW	密封屏蔽夹线板 90° 弯式
4	区别号	D	夹线板直式
		a、b、c、d、e	见尾部外形尺寸
		1	铝合金化学沉积导电暗镍
		2	铝合金镀镍后镀锡，并应处理成导电的
		3	不锈钢导电钝化
5	镀层种类	4	铝合金硬质阳极氧化
		5	铜合金化学沉积导电暗镍

Ordering information for cable accessories

HY1	-10	B	a	5
1	2	3	4	5

No	Code meaning		Classified content
1	Serial number	HY1、HY27	
2	Shell size	08,10,12,14,16,18,20,22,24,26,28,30,32	
3	Accessories type	不标注	No need cable clamp
		A	Cable clamp for heat-shrinkable
		B	Normal straight type mechanical clamp
		C	Sealed shield mechanical clamp
		CW	Angle sealed shield mechanical clamp
	D	Straight type mechanical clamp	
4	Cable diameter	a、b、c、d、e	See the drawing size
5	Surface plating	1	Electroless nickel plating on aluminum alloy
		2	Electroless Nickel plating treated as electrically conductive
		3	Conductive passivation of stainless steel
		4	Hard anodizing of aluminum alloy
		5	Electroless nickel plating on copper alloy

防护帽标记示例

HY1	-10	Z	MS	5
1	2	3	4	5

Ordering information for Protective cap

HY1	-10	Z	MS	5
1	2	3	4	5

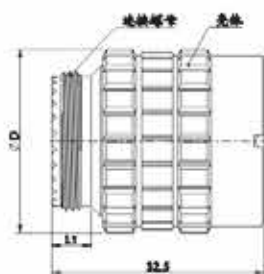
序号	名称	标志代号	分类内容
1	产品系列	HY1、HY27	
2	壳体号	08,10,12,14,16,18,20,22,24,26,28,30,32	数字越大则壳体越大
3	连接器形式	T	插头
		Z	插座
4	防护帽形式	MS	旋锁式金属防护帽
		M	金属防护帽
5	镀层种类	1	铝合金化学沉积导电暗镍
		2	铝合金镀镍后镀锡并应处理成导电的
		3	不锈钢导电钝化
		4	铝合金硬质阳极氧化
		5	铜合金化学沉积导电暗镍

No	Code meaning		Classified content
1	Serial number	HY1、HY27	
2	Shell size	08,10,12,14,16,18,20,22,24,26,28,30,32	
3	Protective cap type	T	Protective cap for plug
		Z	Protective cap for receptacle
4	Protective cap mode	MS	Rotary lock type metal protective cap
		M	Metal protective cap
5	Surface plating	1	Electroless nickel plating on aluminum alloy
		2	Electroless Nickel plating treated as electrically conductive
		3	Conductive passivation of stainless steel
		4	Hard anodizing of aluminum alloy
		5	Electroless nickel plating on copper alloy

HY系列圆形电连接器

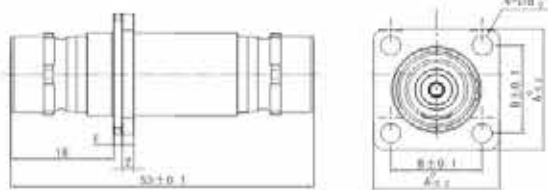
HY series circular electric connector

HY系列电缆插头 HY Series cable plug

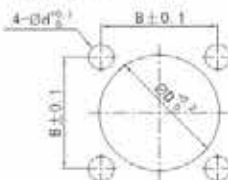


壳体号 Shell size	D	L1
08	21	6
10	23	6
12	25	6
14	27	6
16	29	6
18	31	6
20	34	6
22	37	6
24	40	6
26	43	6
28	46	6
30	49	7
32	52	7

方形法兰穿墙插座 Square flange through-wall sealed adapter

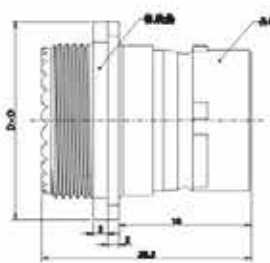


安装开孔尺寸:

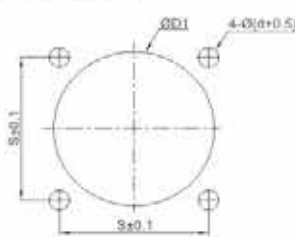


壳体号	A	B	D	d	E
08	21	15	13.7	3.5	1.5
10	22	16	15.7	3.5	1.5
12	24	18	17.7	3.5	1.5
14	26	20	19.7	3.5	1.5
16	28	21	21.7	3.5	1.5
18	30	23	23.7	3.5	2
20	33	26	26.7	3.5	2
22	36	28	29.7	3.5	2
24	39	31	32.7	3.5	2.5
26	42	33	35.7	3.5	2.5

HY系列B型插座 HY Series B type receptacle



安装尺寸:

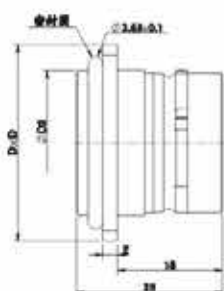


B型插座安装外形及安装尺寸

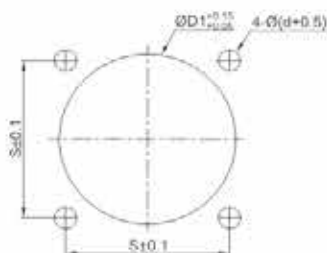
B type receptacle mounting dimensions

壳体号 Shell size	D	S	D1	d	E
08	21	15	14.5	3	1.5
10	22	16	16.5	3	1.5
12	24	18	18.5	3	1.5
14	26	20	20.5	3	1.5
16	28	21	22.5	3	1.5
18	30	23	24.5	3	2
20	33	26	27.5	3	2
22	36	28	30.5	3	2
24	39	31	33.5	3	2.5
26	42	33	36.5	3	2.5
28	45	36	39.5	3	2.5
30	48	39	42.5	5	2.5
32	51	42	45.5	5	2.5

HY系列Bd型玻璃插座 HY Series Bd Type sealed glass sintering receptacle



安装尺寸:



Bd 玻璃插座安装外形及安装尺寸

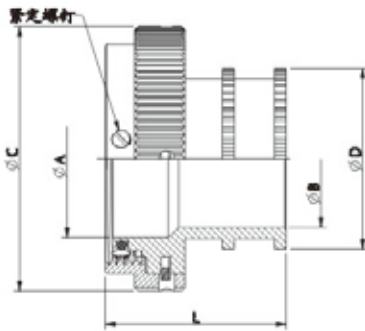
Bd Bd Type sealed glass sintering receptacle

壳体号 Shell Size	D	S	D1	d	E	D2
08	24	18	13	3	2	13
10	26	20	15	3	2	15
12	27	21	17	3	2	17
14	28	22	19	3	2	19
16	31	25	21	3	2	21
18	32	26	23	3	2.5	23
20	35	28	26	3	2.5	26
24	41	33	32	3	3	32
26	44	35	35	3	3	35
28	47	37	38	3	3	38
30	49	39	40	5	3	40
32	52	42	43	5	3	43

HY系列圆形电连接器

HY series circular electric connector

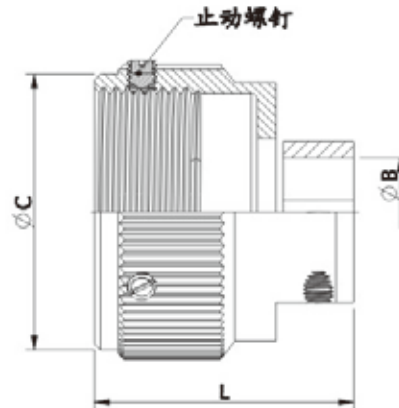
HY系列Ae型尾部附件 HY Series Ae type cable clamp



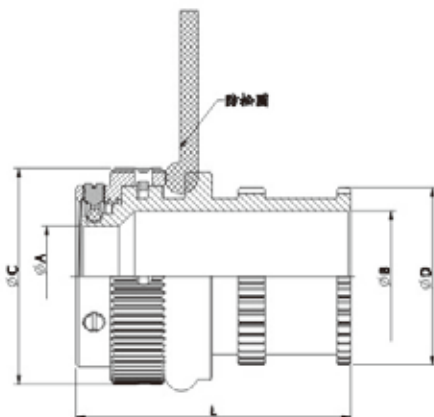
Ae型尾部附件外形及线径 Ae type cable clamp dimensions					
型号 Shell size	A	B	C	D	L
HY1-08Ae	7.6	7.6	21	13.6	21
HY1-10Ae	9.6	9.6	23	15.6	21
HY1-12Ae	11.6	11.6	25	17.6	23
HY1-14Ae	13.6	13.6	27	19.6	23
HY1-16Ae	15.6	15	29	21	23
HY1-18Ae	17.6	16	31	22	23
HY1-20Ae	20.6	18	34	24	23
HY1-22Ae	23.6	20	37	26	25
HY1-24Ae	26.6	23	40	29	25
HY1-26Ae	29.6	25	43	31	25
HY1-28Ae	32.6	27	46	33	29
HY1-30Ae	34.6	29	49	35	30
HY1-32Ae	37.6	32	52	38	30

HY系列B型尾部附件 HY Series B type cable clamp

B型尾部附件外形及线径 B type cable clamp dimension			
型号 Shell size	B	C	L
HY1-08B	6	16.5	19
HY1-10B	8	18.5	19
HY1-12B	9	20.5	19
HY1-14B	11	22.5	20
HY1-16B	13	24.5	22
HY1-18B	15	26.5	23
HY1-20B	18	29.5	24
HY1-22B	21	32.5	25
HY1-24B	24	35.5	26
HY1-26B	27	38.5	29
HY1-28B	30	41.5	32
HY1-30B	31	44.5	37
HY1-32B	34	47.5	40



HY系列A型尾部附件 HY Series A type cable clamp



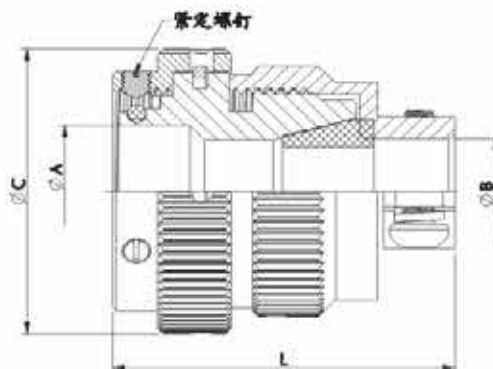
A型尾部附件外形及线径 A type cable clamp dimensions					
型号 Shell size	A	B	C	D	L
HY1-08A	7.6	11	21	17	31
HY1-10A	9.6	13	23	19	31
HY1-12A	11.6	15	25	21	31
HY1-14A	13.6	17	27	23	31
HY1-16A	15.6	19	29	25	33
HY1-18A	17.6	21	31	27	33
HY1-20A	20.6	24	34	30	33
HY1-22A	23.6	27	37	33	35
HY1-24A	26.6	30	40	36	35
HY1-26A	29.6	33	43	39	37
HY1-28A	32.6	36	46	42	37
HY1-30A	34.6	39	49	45	42
HY1-32A	37.6	42	52	48	42

HY系列圆形电连接器

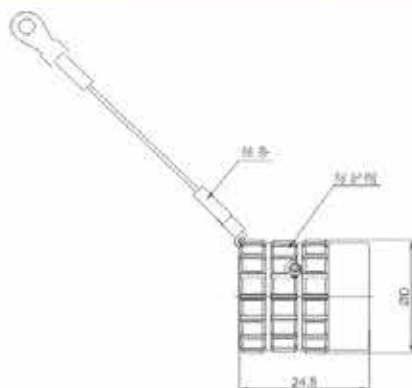
HY series circular electric connector

HY系列Fd型尾部附件 HY Series Fd type cable clamp

Fd型尾部附件外形及线径 Fd type Cable clamp dimensions				
型号 Shell size	A	B	C	L
HY1-08Fd	7.6	6	21	29
HY1-10Fd	9.6	8	23	29
HY1-12Fd	11.6	9	25	29
HY1-14Fd	13.6	11	27	29
HY1-16Fd	15.6	13	29	31
HY1-18Fd	17.6	15	31	31
HY1-20Fd	20.6	18	34	31
HY1-22Fd	23.6	21	37	33
HY1-24Fd	26.6	24	40	33
HY1-26Fd	29.6	27	43	35
HY1-28Fd	32.6	30	46	35
HY1-30Fd	34.6	31	49	40
HY1-32Fd	37.6	34	52	40



HY系列MS型金属防护帽 HY Series MS type metal protection cap



MS型金属插座防护帽外形尺寸 MS type metal protection cap dimensions	
壳体号 Shell size	D
08	21
10	23
12	25
14	27
16	29
18	31
20	34
22	37
24	40
26	43
28	46
30	49
32	52

绝缘安装板孔位排列 Insert arrangement

08#	0804	0807			
10#	1003	1004			
12#	1203	1204	1207	1219	
14#	1403	1404	1407	1410	1414
16#	1603	1604	1610	1614	1619
18#	1801	1804	1810	1816	1819

20#	2014	2019	2020	2024	2030
22#	2201	2204	2219	2237	
24#	2424	2430	2432	2444	
26#	2601	2644			
28#	2846				

接触直径 $\phi 0.8$ ●
 接触直径 $\phi 1.5$ ●
 接触直径 $\phi 3.0$ ●
 接触直径 $\phi 5.0$ ●
 接触直径 $\phi 12$ ●

接触直径 $\phi 1.0$ ○
 接触直径 $\phi 2.5$ ●
 接触直径 $\phi 3.5$ ●
 接触直径 $\phi 7.0$ ●

XL系列小型圆形电连接器

XL Series small circular electric connector

XL系列小型圆形电连接器采用卡口连接，接触件端接形式为焊接，产品具有快速连接和分离，体积小，密度高，耐环境好、可靠性高等特点。部分试验方法采用了GJB150.16-86“军用设备环境试验方法”。本产品用于战车、兵器、军用及其它设备的电子电气线路的连接和分开。

XL Series circular electrical connectors using bayonet connection welding contact termination with quick connection and separation small volume, high density, anti environment, high reliability. Some test methods used GJB150.16-86 "military equipment, environmental test methods". This product is used for vehicles, weapons, electronic and electrical circuit protection and other equipment.



使用条件及主要性能

- 工作温度：-43℃ - +80℃
- 工作气压：101KPa
- 相对湿度：98% (30±2℃)
- 振动：10~2000Hz, 196m/s²
- 冲击：980m/s²
- 耐盐雾：96h
- 壳体材料：铜合金
- 接触件：铜合金(镀金)
- 安装板绝缘体：热塑性塑料
- 机械寿命：500次

Service environmental condition

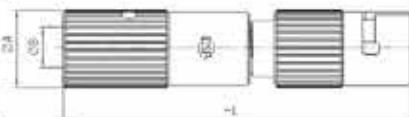
- Working temperature -43℃ - +80℃
- Atmosphere: 101KPa
- Relative humidity: 98% (30±2℃)
- Vibration: 10~2000Hz, 196m/s²
- Shock: 980m/s²
- Salt spray: 96h
- Shell material: cooper alloy
- Contacts: gold plated over cooper alloy
- Insulator material: thermoplastic
- Endurance: 500 cycles

插针直径 Contacts diameter	额定电流 Rated current	额定电压 Rated voltage	接触电阻 Contacts Resistance
1.5mm	7A	50V	3mΩ

环境 Environment	试验电压 Test voltage	绝缘电阻 Insulation resistance
Normal 常态	1000V	200MΩ
Low Pressure潮湿	500V	2MΩ

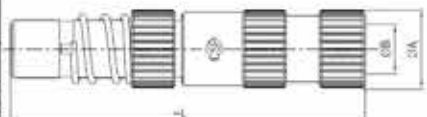
Q型电缆插头 Q type cable plug

型号 Part No.	A	B	L
Q1T(J)D	8	5.1	35
Q2T(J)D	14	11	36.5



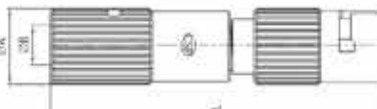
Q型浮动式插座 Q Type floating receptacle

型号 Part No.	A	B	L
Q1Z(J)E	8	4.2	34
Q2Z(J)E	15.5	11	36.3



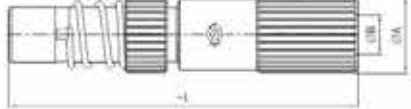
XL型浮动式插座 XL Type floating receptacle

型号 Part No.	A	B	L
XL-1Z-01D	8	4.2	35
XL-2Z-02	14	7	36.5

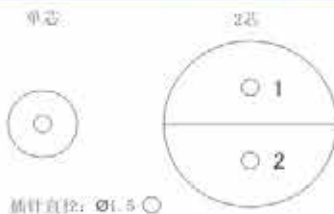


XL型电缆插头 XL type cable plug

型号 Part No.	A	B	L
XL-1T-01E	8	4.2	34
XL-2T-02	15.5	7	36.5



绝缘安装板孔位排列 Insert arrangement



CM10系列圆形电连接器

CM10 Series circular electric connector

CM10系列小型防水圆形连接器，防水等级可达IP67级，带有推拉锁定和旋转解锁结构。头座配合时能够轻松锁定。头座想要分离时，按箭头方向旋转连接螺母，插头将被解锁，CM10具有坚固结构与金属外壳。CM10系列可以广泛应用于伺服电机，具有体积小、重量轻、防水等多项优点。

CM10 series small waterproof circular connectors, Waterproof degree IP67, with push-pull lock and unlock rotating structure. easily lock and unlock. When separated only rotate according to the direction the plug will be unlocked, CM10 has a solid structure and the metal shell. CM10 series can be widely used in servo motor. This connector has the advantages of small volume, light weight, water proof.



主要技术性能

- 工作温度: $-25 \sim +85^{\circ}\text{C}$
- 相对湿度: 90% ~ 95%
- 额定电压: 200V
- 额定电流: 3A
- 耐电压: 900V
- 绝缘电阻: 1000M Ω
- 壳体材料: 锌合金
- 接触件: 铜合金
- 绝缘体: 尼龙
- 机械寿命: 500次

Main technical characteristics

- Operating temperature: $-25 \sim +85^{\circ}\text{C}$
- Relative humidity: 90% ~ 95%
- Rated voltage: 200V
- Rated Current: 3A
- Withstand Voltage: 900V
- Insulation resistance: 1000M Ω
- Housing material: Zinc alloy
- Insulator: Nylon
- Endurance: 500 cycles

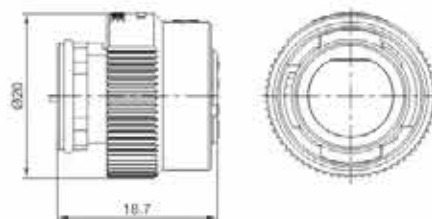
型号命名

主称代号	CM10	--	SP	10	S	S
连接器类型						
SP-直式插头						
AP-弯式插头						
R-方盒插座						
接触对数目						
接触件类型						
P-插针						
S-插孔						
出线直径						
S-出线口直径为 $\varnothing 4.0\text{--}\varnothing 6.0$						
M-出线口直径为 $\varnothing 6.0\text{--}\varnothing 9.0$						
L-出线口直径为 $\varnothing 9.0\text{--}\varnothing 11.6$						

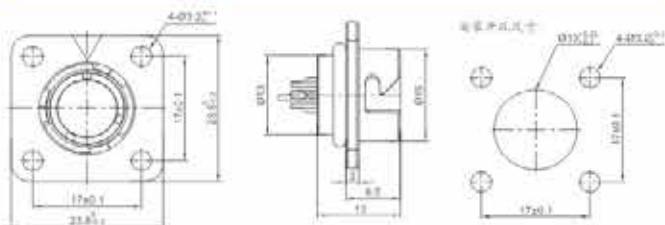
How to order

Basic Series	CM10	--	SP	10	S	S
Products type						
SP-Straight plug						
AP-Right angle plug						
R-Panel receptacle						
No of contacts						
Contact type						
P-Pin						
S-Socket						
Cable diameter						
S-S-small (Permit cable $\varnothing 4.0\text{--}\varnothing 6.0$)						
M-middle (Permit cable $\varnothing 6.0\text{--}\varnothing 9.0$)						
L-large (Permit cable $\varnothing 9.0\text{--}\varnothing 11.6$)						

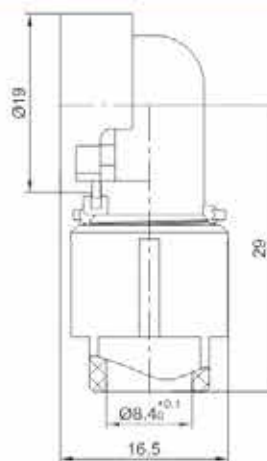
CM10 插头 CM10 Cable plug



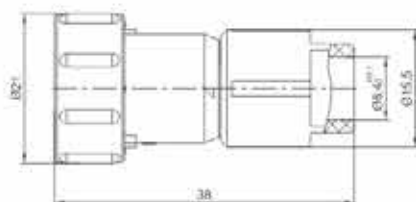
CM10插座 CM10 Panel receptacle



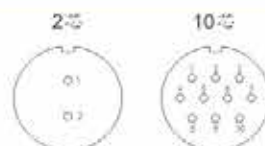
2.CM10弯式尾附 CM10 Elbow cable accessories



CM10直式尾附 CM10 Straight cable accessories



Insert arrangement



插针直径: $\varnothing \varnothing 0.8$

DFS 系列连接器

DFS Series connectors

主称代号 DFS 20 K 4 Z

DFS 螺纹连接

DFY 快速连接

面板直径：

16,20,24,28

接触件种类

J: 插针 K: 插孔

接触件数量目：

(详见型谱图)

连接类型

Z : 插座

TQ : 直式电缆插头

TS : 弯式电缆插头

TP : 直接夹爪插头

TR : 弯式夹爪插头

TE : 直式金属软管插头

TU : 弯式金属软管插头

Basic series DFS 20 K 4 Z

DFS threaded

coupling

Shell size :

16,20,24,28

Contacts type:

J: Pin K: Socket

No. of contacts :

(see insert arrangement)

Connectors type:

Z : Receptacle

TQ : Straight plug with mechanical clamp

TS : Angle plug with mechanical clamp

TP : Straight plug with metal clamping nut

TR : Angle plug with metal clamping nut

TE : Straight plug for metal-hose

TU : Angle plug for metal-hose

使用条件及主要性能

- 工作温度：-55 ~ +125 ℃
- 工作气压：101.33KPa ~ 4.39KPa
- 相对湿度：90% ~ 95% (40 ± 2℃)
- 振动：10 ~ 2000Hz, 加速度196m/s²
- 耐盐雾：48h;
- 壳体材料：铝合金镀铬
- 接触件：铜合金(镀金)
- 安装板绝缘体：热塑性塑料
- 机械寿命：500次

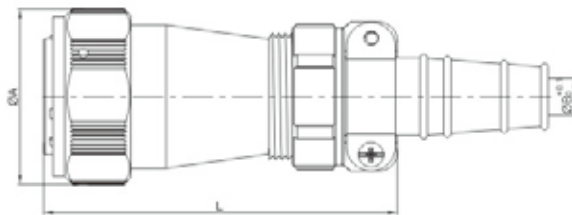
Service environmental condition

- Operating temperature: -55 ~ +125 ℃
- Working pressure: 101.33KPa ~ 4.39KPa
- Relative humidity: Temperature 40℃ ± 2℃ at (90% ~ 95%)。
- Vibration: 10 ~ 2000Hz
- Salt spray: ≥ 48h
- Housing material: Aluminum alloy with Chrome plating
- Contact: Gold plated copper alloy
- Insulator: thermoplastic
- Endurance: 500 cycles

外形尺寸 Outline Dimensions

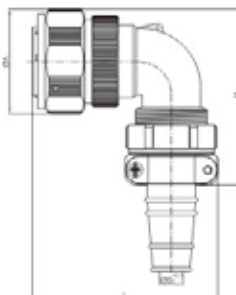
TQ: 直式电缆插头

Straight plug with mechanical clamp



TS: 弯式电缆插头

TS: Angle plug with mechanical clamp



类型 Type	外形及出线口尺寸 Dimensions		
	A	B	L
DF16	24	7.3	58
DF20	34	10.5	63
DF24	34	10.5	68
DF28	37.4	10.5	72

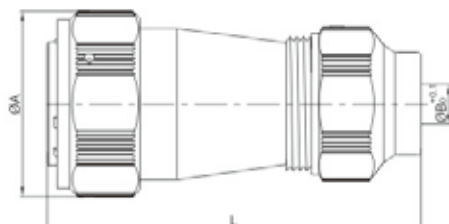
类型 Type	外形及出线口尺寸 Dimensions			
	A	B	L	H
DF16	24	7.3	47	47
DF20	34	10.5	52	52
DF24	34	10.5	57	57
DF28	37.4	10.5	63	63

DFS 系列连接器

DFS Series connectors

TP: 直式夹爪插头

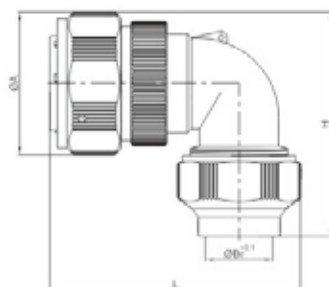
TP: Straight plug with metal clamping nut



类型 Type	外形及出线口尺寸 Dimensions		
	A	B	L
DF16	24	9	55
DF20	34	11	60
DF24	34	11	65
DF28	37.4	12.5	70

TR: 弯式夹爪插头

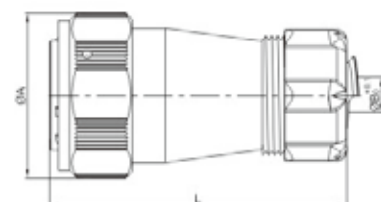
TR: Angle plug with metal clamping nut



类型 Type	外形及出线口尺寸 Dimensions			
	A	B	L	H
DF16	24	9	47	45
DF20	34	11	52	50
DF24	34	11	57	55
DF28	37.4	12.5	63	60

TE: 直式金属软管插头

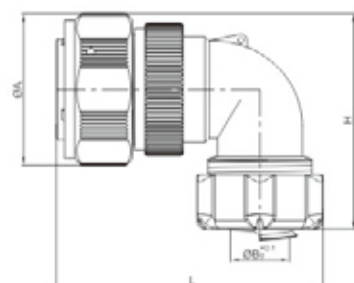
TE: Straight plug for metal-hose



类型 Type	外形及出线口尺寸 Dimensions		
	A	B	L
DF16	24	10.5	45
DF20	34	12	50
DF24	34	12	55
DF28	37.4	14	60

TU: 弯式金属软管插头

TU: Angle plug for metal-hose



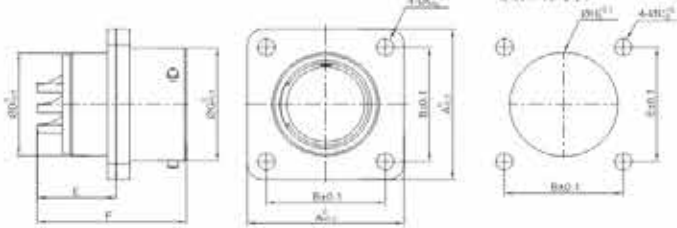
类型 Type	外形及出线口尺寸 Dimensions			
	A	B	L	H
DF16	24	10.5	47	40
DF20	34	12	52	44
DF24	34	12	57	48
DF28	37.4	14	63	53

DFS 系列连接器

DFS Series connectors

Z: 快速连接插座

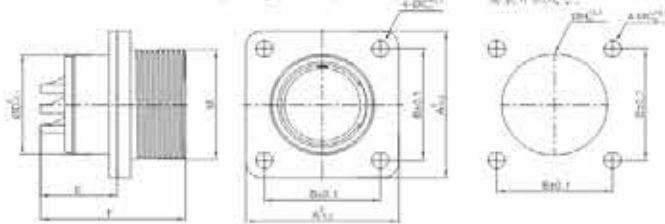
Z: Bayonet coupling receptacle



类型 type	外形及安装尺寸 Dimensions							
	A	B	C	D	E	F	G	H
DF16	26	20	3.2	15.9	14.5	27.5	18	16
DF20	29	22	3.2	19.8	14.5	27.5	21.7	20
DF24	32	26	3.2	23.8	14.5	27.5	25.7	24
DF28	36	30	3.2	27.5	14.5	27.5	29.5	28

Z: 螺纹连接插座

Z: Threaded coupling receptacle



类型 type	外形及安装尺寸 Dimensions							
	A	B	C	D	E	F	M	H
DF16	26	20	3.2	15.9	14.5	27.5	M18×1.0	16
DF20	29	22	3.2	19.8	14.5	27.5	M22×1.0	20
DF24	32	26	3.2	23.8	14.5	27.5	M26×1.0	24
DF28	36	30	3.2	27.5	14.5	27.5	M30×1.0	28

DF16

DF16	2芯	3芯	4芯	5芯	7芯	9芯	10芯
安装板孔位排列							
额定电流(A) Rated current(A)	10	10	10	5	5	5	5
接触件直径(mm) Contact diameter(mm)	Ø1.5	Ø1.5	Ø1.0	Ø1.0	Ø1.0	Ø1.0	Ø1.0
工作电压(V) Rated Voltage(V)	500	500	500	500	400	400	400
耐电压(V) Withstand Voltage(V)	1500	1500	1500	1500	1200	1200	1200
接触电阻(mΩ) Contact resistance(mΩ)	2.5	2.5	5	5	5	5	5
绝缘电阻(MΩ) Insulation resistance(MΩ)	2000	2000	2000	2000	2000	2000	2000

DF20

DF20	2芯	3芯	4芯	5芯	7芯	9芯	12芯
安装板孔位排列							
额定电流(A) Rated current(A)	25	25	25	10	10	5	5
接触件直径(mm) Contact diameter(mm)	Ø2.5	Ø2.5	Ø2.5	Ø1.5	Ø1.5	Ø1.0	Ø1.0
工作电压(V) Rated Voltage(V)	500	500	500	500	500	500	400
耐电压(V) Withstand Voltage(V)	1500	1500	1500	1500	1200	1200	1200
接触电阻(mΩ) Contact resistance(mΩ)	1	1	1	2.5	2.5	5	5
绝缘电阻(MΩ) Insulation resistance(MΩ)	2000	2000	2000	2000	2000	2000	2000

DFS 系列连接器

DFS Series connectors

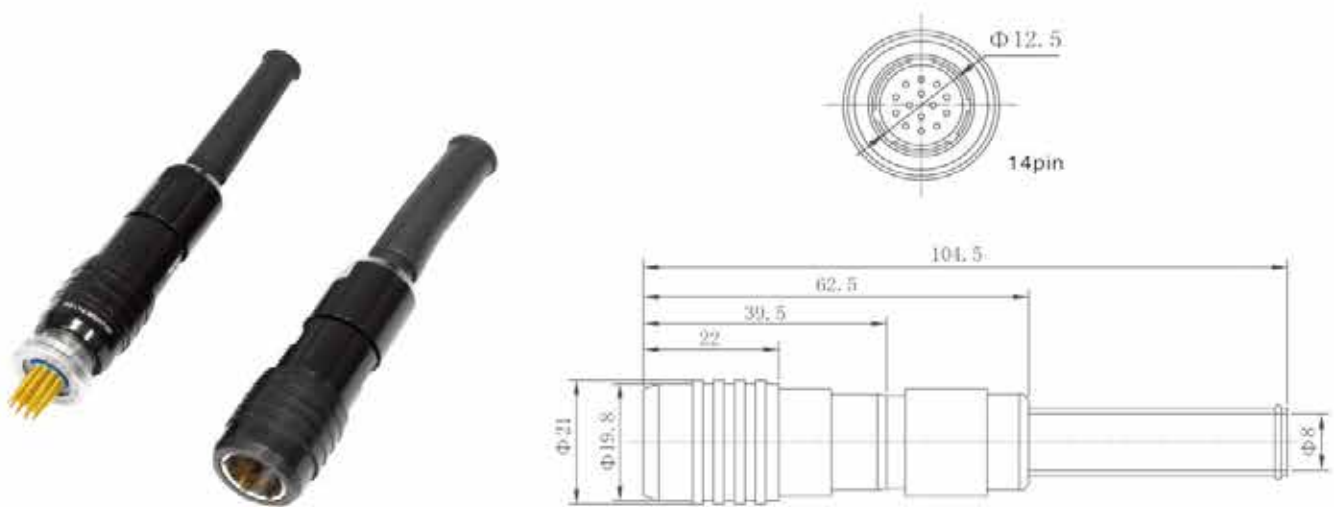
DF24

DF24	2芯	3芯	4芯	6芯	8芯	9芯	10芯	12芯	19芯
安装板孔位排列									
额定电流(A) Rated current(A)	25	25	25	25	10	25A、5A	10	10	5
接触件直径(mm) Contact diameter(mm)	Ø2.5	Ø2.5	Ø2.5	Ø2.5	Ø1.5	Ø2.5×4 Ø1.0×5	Ø1.5	Ø1.5	Ø1.0
工作电压(V) Rated Voltage(V)	500	500	500	500	500	500	500	500	500
耐电压(V) Withstand Voltage(V)	1500	1500	1500	1500	1500	1500	1500	1500	1500
接触电阻(mΩ) Contact resistance(mΩ)	1	1	1	1	2.5	1mΩ、5mΩ	2.5	2.5	5
绝缘电阻(MΩ) Insulation resistance(MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000

DF28

DF28	3芯	4芯	7芯	10芯	12芯	16芯	17芯	20芯	24芯	26芯
安装板孔位排列										
额定电流(A) Rated current(A)	30	25	25	10	10	10	10	5	5	5
接触件直径(mm) Contact diameter(mm)	Ø3.5	Ø2.5	Ø2.5	Ø1.5	Ø1.5	Ø1.5	Ø1.5	Ø1.0	Ø1.0	Ø1.0
工作电压(V) Rated Voltage(V)	500	500	500	500	500	500	500	400	400	400
耐电压(V) Withstand Voltage(V)	1500	1500	1500	1500	1500	1500	1500	1200	1200	1200
接触电阻(mΩ) Contact resistance(mΩ)	0.75	0.75	0.75	1	1.5	1.5	1.5	5	5	5
绝缘电阻(MΩ) Insulation resistance(MΩ)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

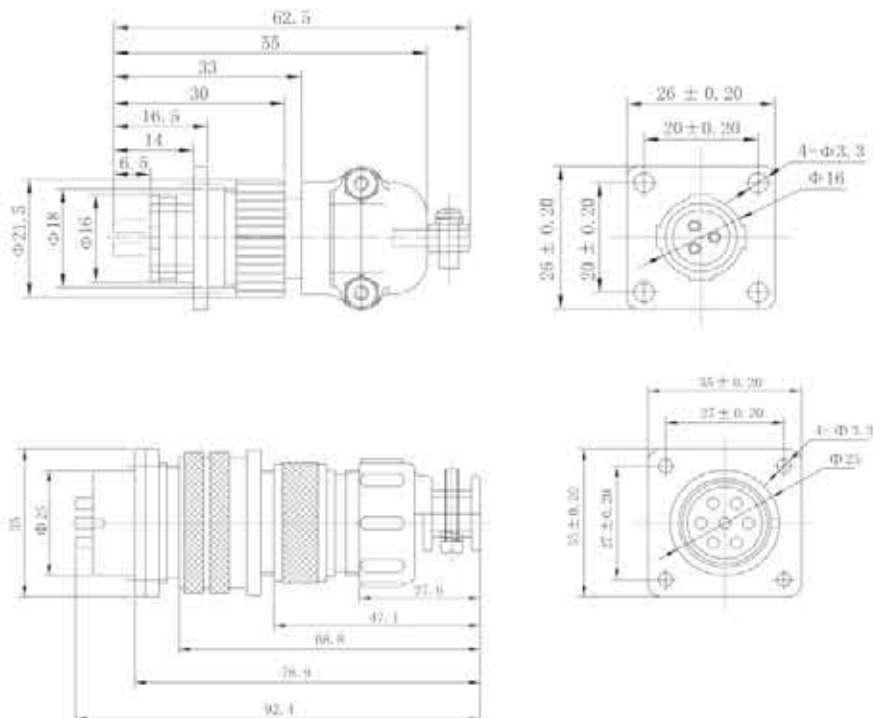
MIL 防水连接器 MIL waterproof connector



CP 系列连接器 CP series connector

CP型连接器有外壳配合直径为16、25 (mm) 两种规格。每种各有几种接触对可选。

They are 16/25mm two kinds of specification of the CP connector shell assembled diameter. Each kind has several kinds of contacts to be chosen.



GX 系列连接器 GX series connector

GX型电连接器广泛用于各种电子仪器、机械电气设备之间的电路连接。

GX-type electrical connectors are widely used in various electronic instruments, mechanical and electrical equipment, electrical connections between.



GX16 系列连接器 GX16 Series Connector



GX12 系列连接器 GX12 Series Connector

命名 How to order

系列: _____ GX 12 J 5 T
 面板配合直径: _____
 12:16
 J:插针 K:插孔
 接触件数目:
 12:2,3,4,5,6,
 16:2,3,4,5,6,7,8,9
 T:插头 Z:盒式安装插座
 ZP:墙式安装插座

Series _____ GX 12 J 5 T
 Panel diameter: _____
 12:16
 J: Pin K: Socket
 No. of contacts:
 12:2,3,4,5,6,
 16:2,3,4,5,6,7,8,9
 T: Cable plug Z: Box mounting receptacle
 ZP: Wall mounting receptacle

GX16 系列连接器 GX16 Series Connector

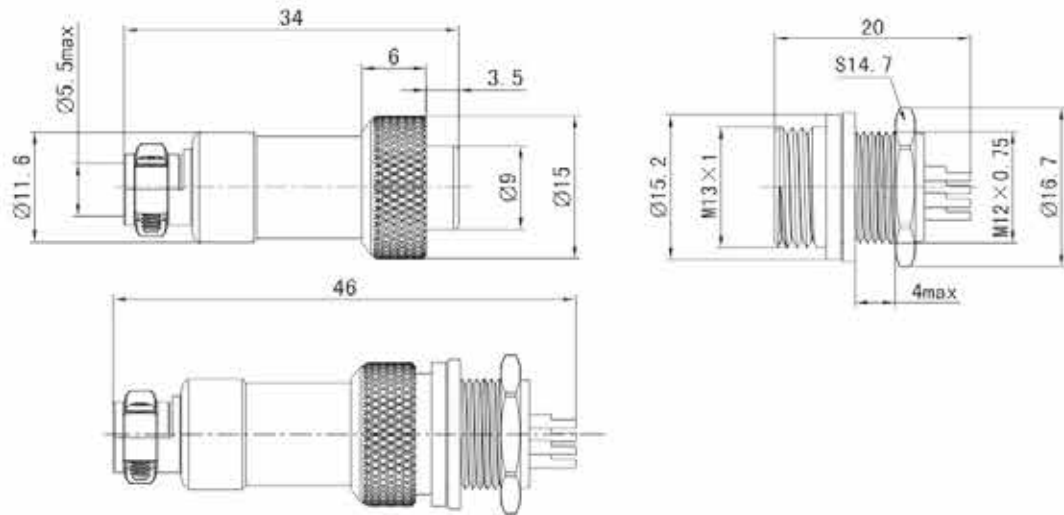
外型尺寸 Shell size	GX16-2 正装	GX16-3 正装	GX16-4 正装	GX16-5 正装	GX16-6 正装	GX16-7 正装	GX16-8 正装	GX16-9 正装
接触对排列分布从针的方向看 Contact Arrangements Comply with the needle direction								
额定电流(A)/电压(V) Rated Current/voltage	7A-125V	7A-125V	7A-125V	5A-125V	5A-125V	4A-125V	4A-125V	4A-125V
工作电压(AC.V)分钟 Operating Limit voltage (AC.V,rms)	200	200	200	200	200	200	200	200
耐电压(AC.V)一分钟 Withstanding voltage(AC.V,rms) 1minute	1500	1500	1500	1500	1500	1500	1500	1500
绝缘阻抗(MΩ)DV500V Insulation resistance(MΩ Max)AT DC 500V	2000	1500	1500	1500	1500	1500	1500	1500
接触阻抗(mΩ)DC 1A Contact resistance (mΩ Max)AT DC 1A	3	3	3	3	3	3	3	3
接触对孔径Φ (mm) Solder inter diameter	2.5	2.5	2.5	2	1.2	1.2	1.2	1.0

GX 系列连接器 GX series connector

GX12 系列连接器 GX12 Series Connector

外型尺寸 Shell size	GX12/RS765-2 正装	GX12/RS765-3 正装	GX12/RS765-4 正装	GX12/RS765-5 正装
接触对排列分布从针的方向看 Contact Arrangements Comply with the needle direction				
额定电流(A)/电压(V) Rated Current/voltage	7A-125V	7A-125V	5A-125V	5A-125V
工作电压(AC.V)分钟 Operating Limit voltage (AC.V.rms)	200	200	200	200
耐电压(AC.V)一分钟 Withstanding voltage(AC.V.rms) 1minute	1500	1500	1500	1500
绝缘阻抗(mΩ)DV500V Insulation resistance(mΩ Max)AT DC 500V	2000	200	200	200
接触阻抗(mΩ)DC 1A Contact resistance (mΩ Max)AT DC 1A	3	3	3	3
接触对孔径Φ (mm) Solder inter diameter	1.2	1.2	1.2	1.2

GX12



GX16

