

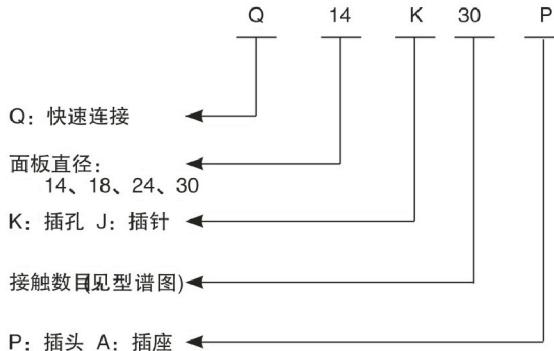
Q 系列连接器

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。



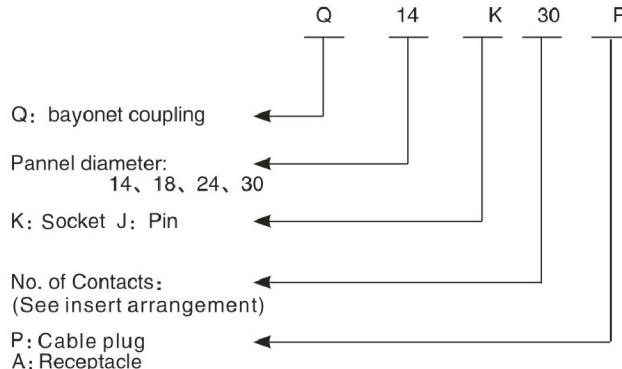
命名 How to order



(1) 使用环境条件

- 环境温度: -55~+100 °C
- 大气压力: 达1KPa
- 碰 撞: 加速度达500m/s²
- 相对湿度: 达98%，温度为+40°C
- 振 动: 振频10~2000HZ, 加速度150m/s²
- 机械寿命: 500次

Q series of circular electrical connector, which owns the small volume and light weight. The bayonet would be coupled quickly. The pins and the doleads 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.



Service environmental condition

- Ambient temperature: -55~+85°C
- Atmospheric pressure: 达1KPa
- Collision: Acceleration 500m/s²
- Relative humidity: Temperature is 40degree 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 Diamter of contact (mm)	接触电阻 Contact resistance (Ω)	工作电流 Working current (A)	电压Voltage (≤ 400HZ)	
			接点中心距 Conact 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%

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%

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

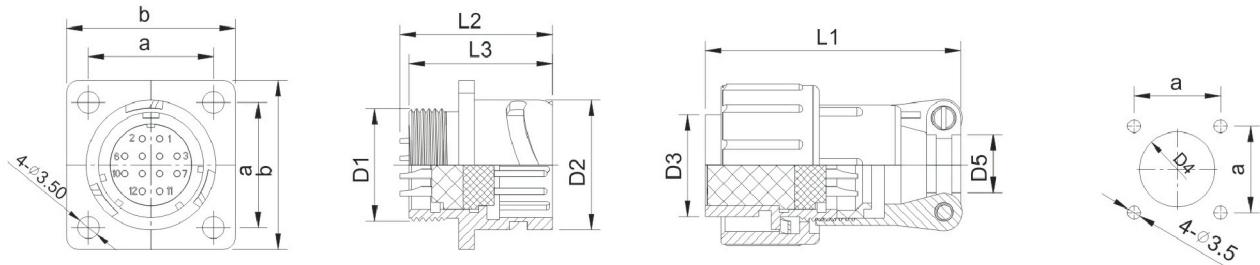
接触对中心距 Contact centre distance (mm)	正常条件下 Normal (V)	潮湿试验后 Moisture test (V)
≥3.5	1500	1000
2.8	1200	800

(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

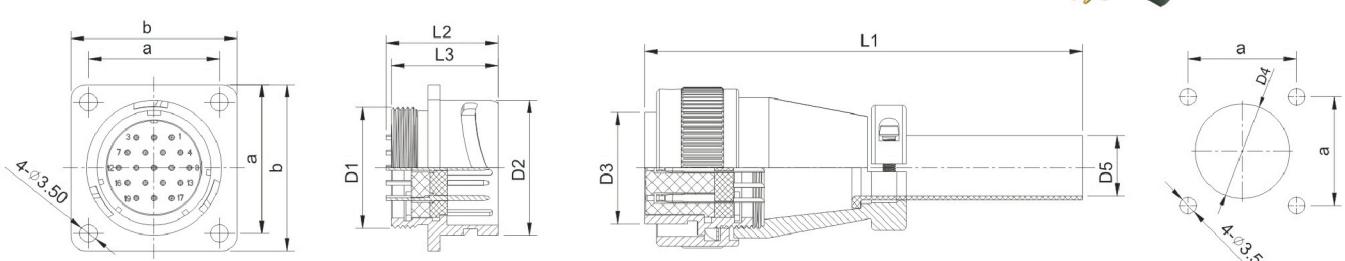
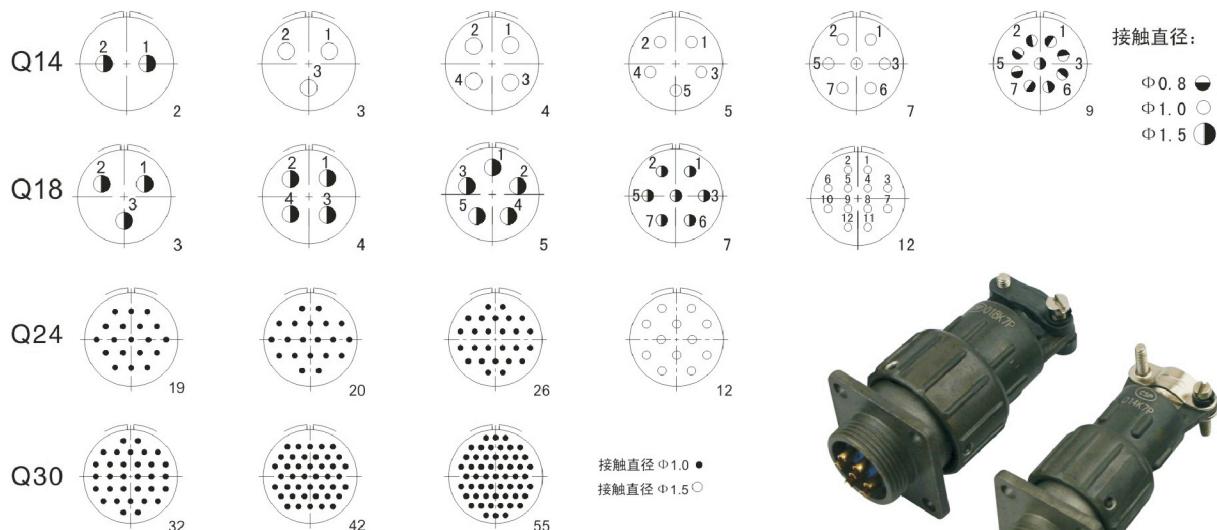
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类型 Type	安装及外型尺寸 Fixing and exterior dimensoin									
	a	b	D1	D2	D3	D4	D5	L1	L2	L3
Q18	20±0.20	27	M18	φ 20.7	φ 16.6	φ 18.5	φ 12	41	24	23
Q14	17±0.20	24	M14	φ 16.8	φ 12.4	φ 14.5	φ 8	40	24	23

接触对型谱图 Inser Arrangement



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