



规格书 Specification

品名/Term:防水电源插-户外三芯(黑白两色)

Waterproof power socket-IP65 outdoor

型号/Model: SW3AJ-K&SW3AJ-KB

承认签章/Admit signature					
供应商确认/supplier			客户公司承认/customer		
工程师 engineer	审核 audit	批准 approval	工程师 engineer	审核 audit	批准 approval
LXQ	WXW	CJY			
盖章签署 signature			盖章签署 signature		
日期/date			日期/date		

一、1. SW3AJ-K 产品外观 (Product Appearance)



2. SW3AJ-KB 产品外观 (Product Appearance)



二、产品特性 (Product features)

☑ 采用一键按扣式锁紧方式，即插即用，快捷方便；

Adopt one key press button locking method, plug and play, fast and convenient;

☑ 精密防水设计，具备高防水等级，无惧涉水环境；

Precision waterproof design, with high waterproof level, no fear of wading environment;

☑ 采用高强结构材质，抗压结构设计，能承受更大的振动与冲击；

Adopt high-strength structural materials, pressure-resistant structure design, can withstand greater vibration and shock.

三、技术参数 (Technical parameters)

1. 电气参数 (Electrical parameters)

触点数量 (Contacts NO.)	Φ2.0* 3 pin
额定电流 (Rated current)	20A
额定电压 (Rated voltage)	250V AC
接触电阻 (Contact resistance)	≤4mΩ
耐压 (Withstand voltage)	2500V AC
绝缘电阻 (Insulation resistance)	> 1000MΩ

2. 机械参数 (Mechanical parameters)

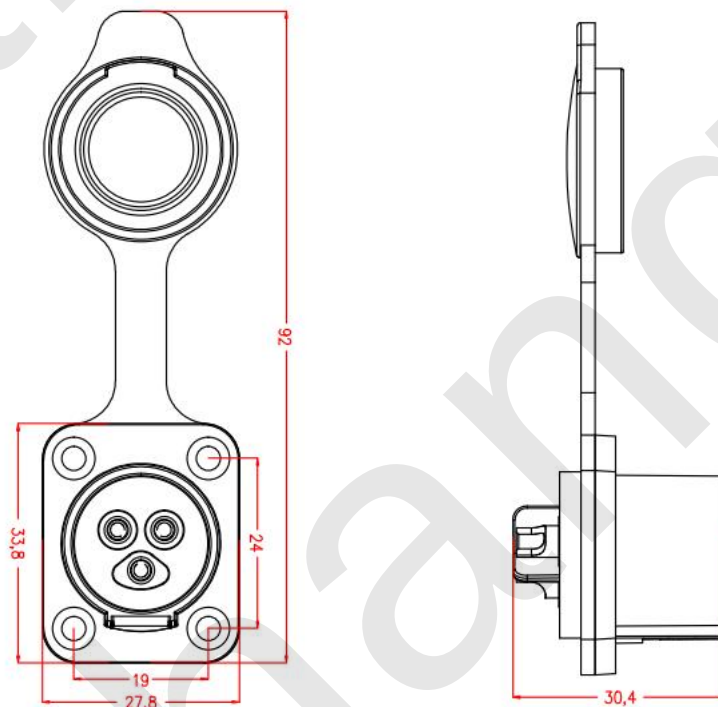
使用寿命 (Service life)	> 1000 次 times
电源线径 (Power line)	2.5mm ² -4mm ²
剥线长度 (Wire stripping length)	7-8mm
端子接线方式 (Type of terminals)	焊接 Soldering

3.材料和环境 (Material and environmental parameters)

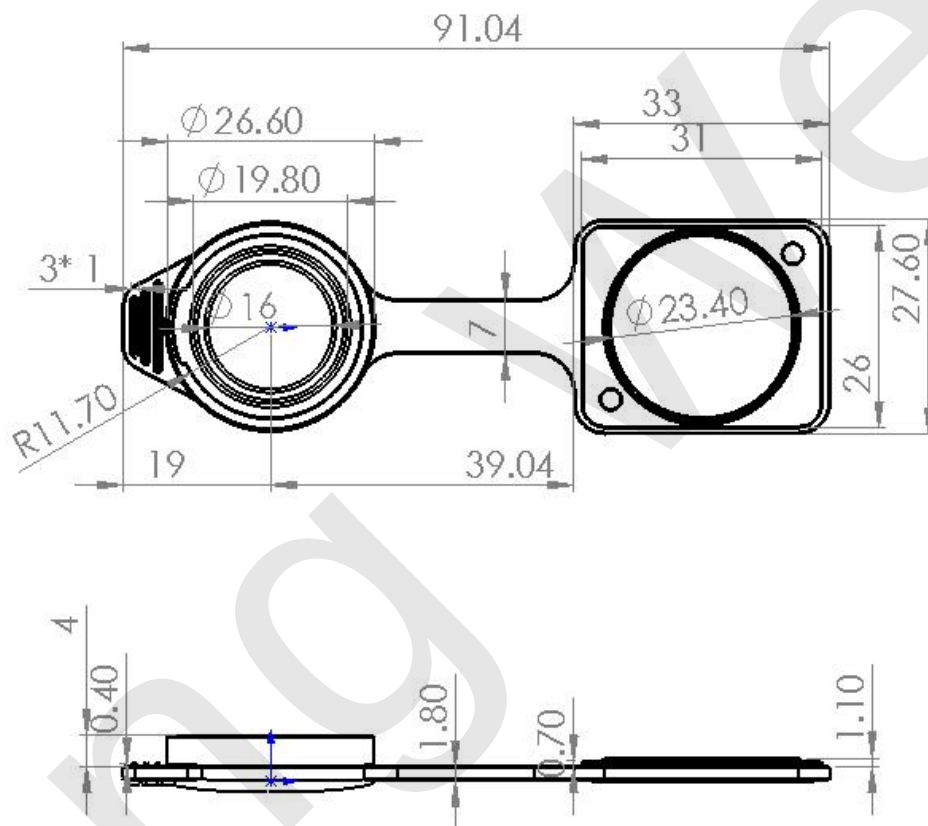
外壳/绝缘部分 (Shell&insulated parts)	PBT
触点 (Contacts)	铜合金 Brass with gold-plated
防水材料 (Sealing)	硅胶/橡胶 Silicone/rubber
阻燃等级 (Flame-retardant grade)	UL94-V0
使用温度范围 (Temperature range)	-30°C to +80°C
温升 (Temperature rise)	20A 时温升 < 30°, 25A 时温升 < 40°, 30A 时温升 < 50° / Temperature rise < 30° at 20A, < 40° at 25A, < 50° at 30A
防护等级 (Protection level)	IP65

四、产品外形尺寸 (Product Profile)

SW3AJ-K&SW3AJ-KB (outdoor) /mm



Waterproof rubber gasket/mm



五、产品性能 (Product performance)

- 1、使用旋转锁紧设计，操作方便快捷，稳定可靠/Using rotary locking design, easy to operate, stable and reliable
- 2、采用左、右定位连接设计，能有效防止因误插造成的短路/using left and right positioning connection design, can effectively prevent short circuit caused by misinsertion
- 3、铜针采用美国进口铍铜材料，并进行镀银处理，接触稳定性极强，同时能加强对温升的控制/The copper needle is made of beryllium copper material imported from the United States and plated with silver, which has strong contact stability and can strengthen the control of temperature rise

- 4、塑料部分采用 PA6 材质，电气性能稳定，耐压性好，抗高温，抗爆，耐腐蚀/The plastic part is made of PA6 material, with stable electrical performance, good pressure resistance, high temperature resistance, explosion resistance and corrosion resistance
- 5、内芯采用防脱出设计，避免因拔出力过大而造成铜针推出内芯
/The inner core is designed to prevent the copper needle from withdrawing from the inner core due to excessive pulling force
- 6、防护等级达到 IP65/The protection level reaches IP65