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Product Data Sheet
产 品 规 格 书

Product Type
产品类型
IP67 Waterproof power socket
IP67 防水电源插座

Product Model
产品型号
SAC3MDS-01

Customer Name
客户名称

Manufacturer 生产方	**Prepared** 制作	**Checked** 审核	**Approved** 核准

Customer 客户方	**Received** 接受	**Checked** 审核	**Confirmed** 确认

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Product Type 产品类型	**IP67 Waterproof power socket** **IP67 防水电源插座**	
Product Model 产品型号	**SAC3MDS-01**	

Product Features
产品特性

- Lockable three-core device power-out socket connector with contacts for linear, neutral and pre-adapted safety grounding
- Used for electrical connection under outdoor conditions with protection grade IP65/IP67
- Match with SAC3FSA-01 plug
- High current capacity rated at 16A/250V AC IEC and 20A/250V AC UL

- 可锁定的三芯设备电源插座连接器，触点分别为火线、零线及接地线
- 用于室外环境的电气连接，防护等级 IP65/IP67
- 与 SAC3FSA-01 插头配套使用
- 高电流容量，16A / 250V AC IEC 和 20A / 250V AC UL

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Power Electrical Parameters
电源电气参数

Item 项目	Specification 规格
Number of Contacts 触点数量	2 + PE
Rated Current 额定电流	16A IEC / 20A UL
Rated Voltage 额定电压	250V AC IEC/250V AC UL
Contact Resistance 接触电阻	≤ 5 mΩ
Dielectric Strength 绝缘强度	4000V DC/2500V AC
Insulation Resistance 绝缘电阻	> 1000 MΩ

Power Mechanical Parameters
电源机械参数

Item 项目	Specification 规格
Service Life 使用寿命	> 1000 mating cycles > 1000 次使用周期
Cable Size 电线尺寸	2.5mm^2 /12AWG

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Power Material and Environmental Parameters
Power 材料和环境

Item 项目	Specification 规格
Housing 外壳	PA 尼龙
Contacts 触点	Cu alloy 铜合金
Contact plating 触点电镀	Ag 银
Flame-retardant grade 阻燃等级	UL 94 V-0
Temperature range 使用温度范围	-25°C ~ +85°C
Protection degree 防护等级	IP65/IP67

Standards and Certifications
标准和认证

Standards 标准	UL60320-1 | GB/T 34989 | IEC61984

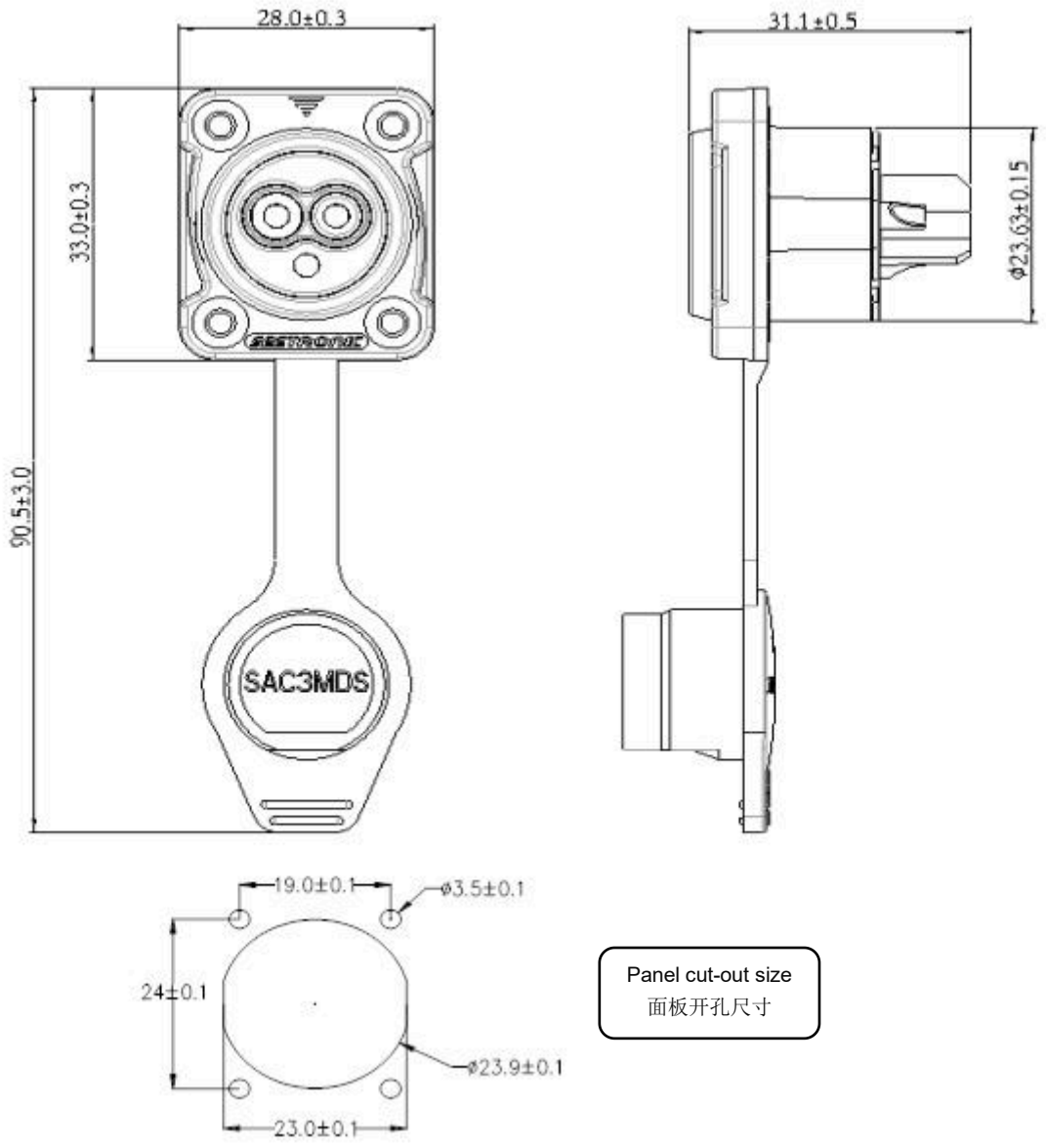
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Product Drawing
产品外形尺寸



Panel cut-out size
面板开孔尺寸

Unit: mm

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Packaging Method
包装方式

Socket packed by Single bag ,1 pc per PE bag， 50pcs waterproof covers packed by one PE bag
50 pcs per inner carton, 5 inner cartons per master carton (250 pcs per master carton)

插座单袋包装，1 个/袋，防水盖 50 个/袋
50 个/内盒，5 个内盒/箱（即 250 个/箱）

Accessory
配件

☑ No accessories 无配件	☐ Back fastener plate 安装固定件
☐ Screws and Nuts 螺丝和螺帽	☐ Other 其他

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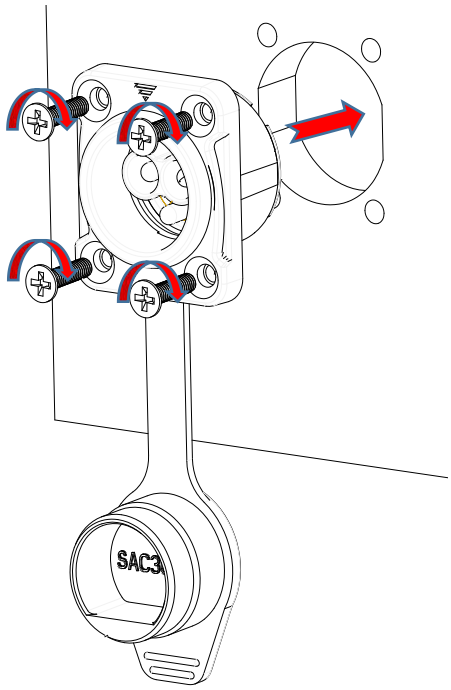
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Assembly Instructions
安装使用说明

Put the protective cover on the rear side of the socket and then install on the front of the panel. Finally, tighten the screws with 0.5 N • m torque in clockwise direction.

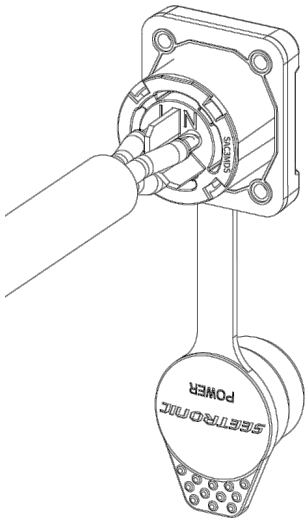
先将防水盖与插座互配，再将插座前装在箱体开孔处，最后将螺丝按顺时针方向用 0.5 N • m 扭矩拧紧



(1) Solder the conductor portion of the cable to the inner core pins (refer to the wiring diagram on the right).

将线缆导体部分与内芯插针/插孔焊接在一起 (参考右图接线方式)

Wiring 线序	IEC	UL
L	Brown 棕色	Black 黑色
N	Blue 蓝色	White 白色
Ground 地线	Green/Yellow 绿色/黄色	Green 绿色



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