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Product Data Sheet

产 品 规 格 书

Product Type 产品类型	IP65 WaterMerged power RJ45 sockets IP65 防水合并电源网络插座
Product Model 产品型号	SAC3FCE8-E-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 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 is IP65/IP67
- Match with SAC3MSC-01 and SE8MC-05-NEW/SE8MS-05 plug
- High current capacity rated at 16A/250V AC IEC and 20A/300V AC UL
- Complies with CAT5e according to TIA/EIA 568B and ISO/IEC 11801 standard
- Fast locking and unlocking for the front and rear feedthrough type, providing a guaranteed reliability for continuous and stable signal transmission under moving conditions

- 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 SAC3MSC-01 和 SE8MC-05-NEW /SE8MS-05 插头配套使用
- 高电流容量，16A / 250V AC IEC 和 20A / 300V AC UL
- 根据 TIA/EIA568B 和 ISO/IEC11801 标准，插座符合 CAT 5e，并兼容 5e 以下传输等级
- 为前后贯通式，快速制锁解锁，为移动条件下信号持续稳定传输提供可靠保障

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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 / 300V 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

RJ45 Electrical Parameters
RJ45 电气参数

Item 项目	Specification 规格
Connection type 连接类型	RJ45
Gender 公母性	Female 母
Contact resistance 接触电阻	< 10 mΩ
Rated current 额定电流	0.5A/PIN
Rated voltage 额定电压	50 V
Insulation resistance 绝缘电阻	⩾ 0.5GΩ
Dielectric strength 绝缘强度	1 KV DC
Frequency range 带宽频率	1~100 MHz
Transmission performance 传输等级	CAT5e

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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 /12 AWG

RJ45 Mechanical Parameters
RJ45 机械参数

Item 项目	Specification 规格
Insertion force 插入力	≤40 N
Chassis shape 底板规格	D-shape
Service life 使用寿命	> 1000 mating cycles > 1000 次使用周期

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Power&Rj45 Material and Environmental Parameters
Power&Rj45 材料和环境

Item 项目	Specification 规格
Housing 外壳	Zinc alloy 锌合金
Contacts 触点	Cu alloy 铜合金
Contact plating 触点电镀	Power： Ag　Rj45:Au 电源：银　Rj45:金
Flame-retardant grade 阻燃等级	UL 94 V-0（Power）
Housing plating 外壳电镀	Cr 珍珠铬
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 TIA/EIA 568B | IEC11801

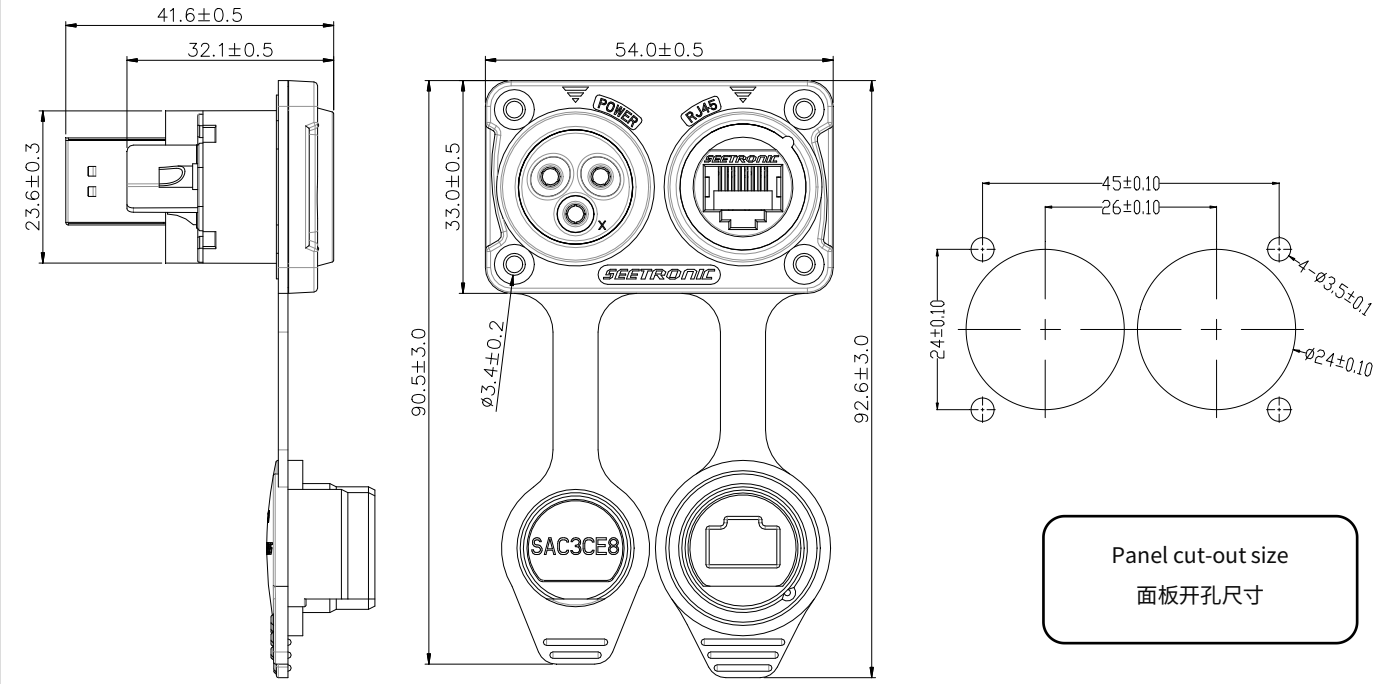
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Product Drawing
产品外形尺寸



Unit: mm

Packaging Method
包装方式

Blister box packaging
10 pcs per blister box, 30 pcs per inner carton, 4 inner carton per master carton (120 pcs per master carton)

吸塑盒包装
10 个/吸塑盒，30 个/内盒，4 个内盒/箱 (即 120 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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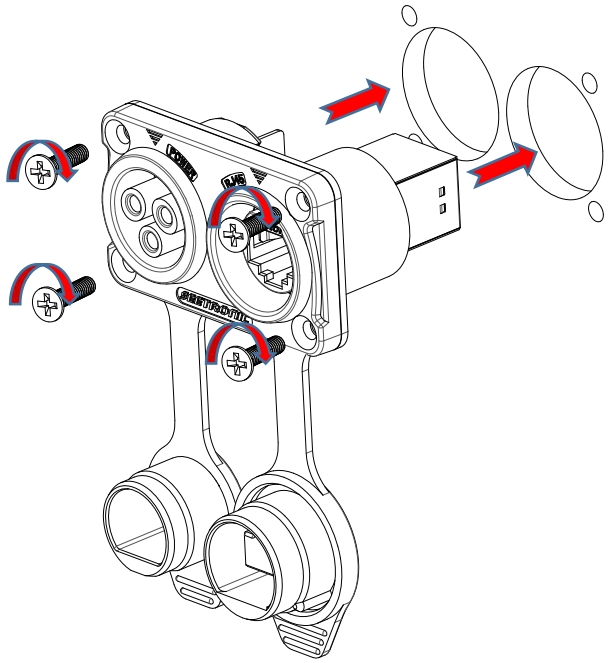
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Assembly Instructions
安装使用说明

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.

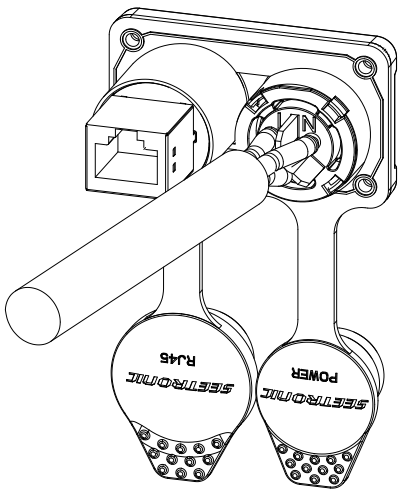
先将防水盖与插座互配，再将插座前装在箱体开孔处，最后将螺丝按顺时针方向用 0.5 N • m 扭矩拧紧。



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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