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Product Data Sheet
产 品 规 格 书

Product Type
产品类型

IP67 Waterproof Power Plug
IP67 防水插头

Product Model
产品型号

SAC3FSA-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 Plug** **IP67 防水插头**	
Product Model 产品型号	**SAC3FSA-01**	

Product Features
产品特性

- Lockable three-core female power cable connector with contacts for line, neutral and pre-adapted safety grounding
- Used for electrical connection under outdoor conditions with protection gradeIP65/ IP67
- Match with SAC3MDS-01socket/SAC3MSA-01plug
- Fast and easy locking system with does not fall off
- High current capacity rated at 16A/250V AC IEC and 20A/250V AC UL

- 可锁定的三芯母头电源线缆连接器，触点分别为火线、零线及接地线
- 用于户外条件下的电气连接，防护等级为 IP65/ IP67
- 与 SAC3MDS-01 插座/SAC3MSA-01 插头配套使用
- 快速简便的锁定系统，按键牢靠不脱落
- 高电流容量，16A/250V AC IEC 和 20A/250V AC UL

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Electrical Parameters
电气参数

Item 项目	Specification 规格
Number of Contact 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

Mechanical Parameters
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
Cable OD 电缆外径	7-11.5 mm
Type of Terminals 端子接线方式	Soldering 焊线

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Material and Environmental Parameters
材料和环境

Item 项目	Specification 规格
Housing 外壳材质	PA 尼龙
Contacts 触点材质	Cu alloy 铜合金
Contact surface 触点表面	Ag 银
Protection degree 防护等级	IP65/IP67
Flame retardant rating 阻燃等级	UL94 V-0
使用温度范围 Temperature range	-25°C ~ +85°C

Standards and Certifications
标准和认证

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

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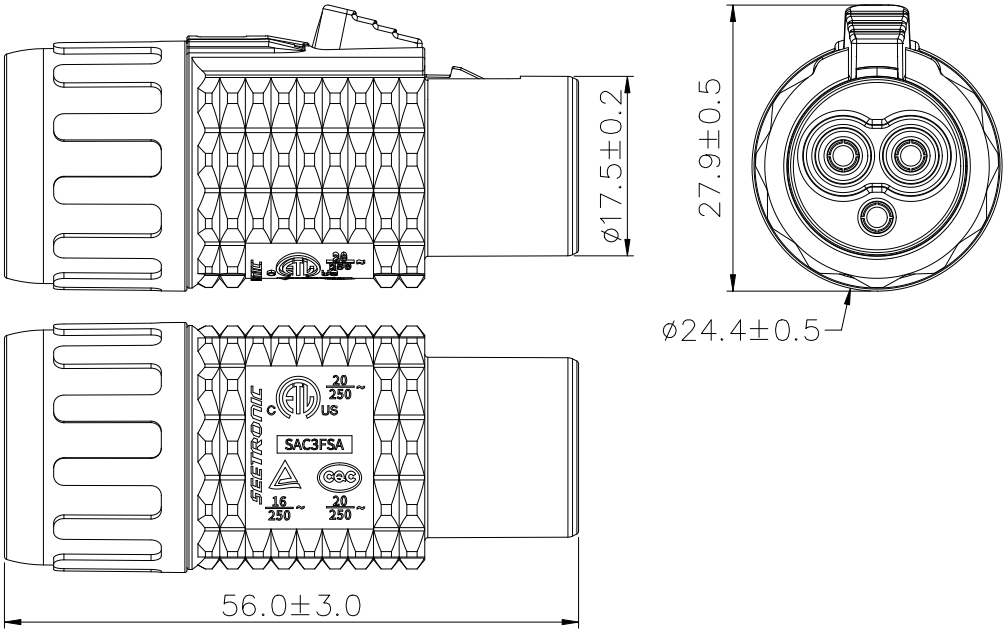
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Product Drawing
产品外形尺寸



unit: mm

Packaging Method
包装方式

1 pc per bag (include 1 pc each of inner core, housing, strain relief, bushing)
50 pcs per inner carton, 5 inner cartons per master carton (250 pcs per master carton)

1 个/袋 (包含内芯、外壳、线夹、尾套各 1 个)
50 个/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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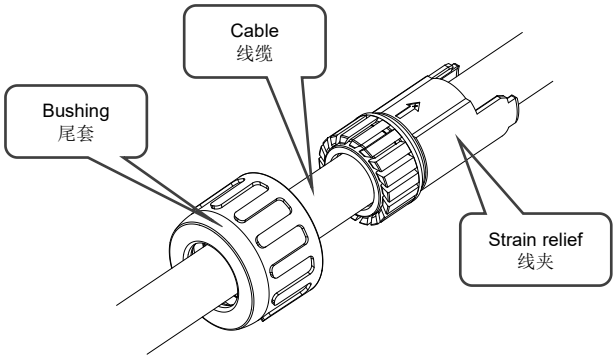
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Assembly Instructions
安装使用说明

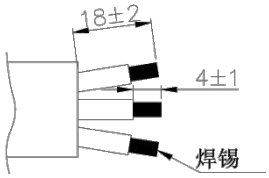
(1) Put the cable through the bushing and strain relief

将线缆穿过尾套和线夹



(2) Strip the cable in the size as shown

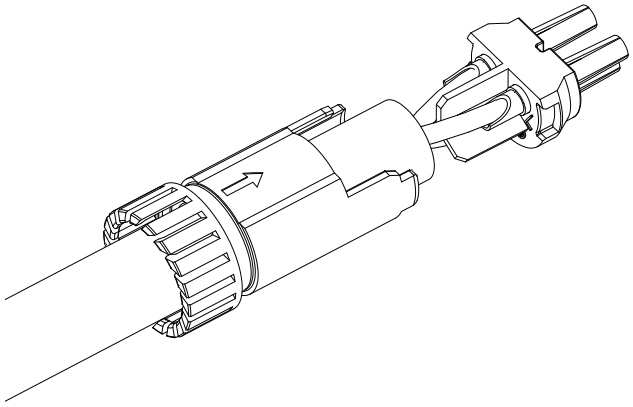
按所示尺寸剥线



(3) 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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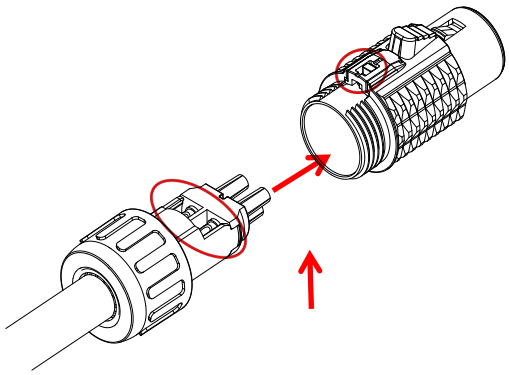
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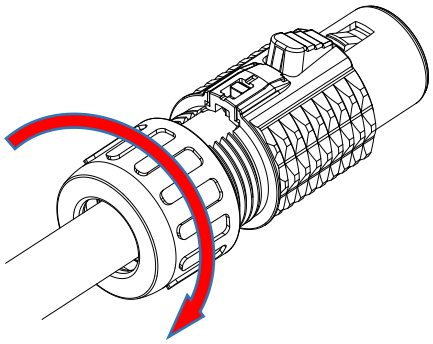
(4) Push the inner core component into the housing with the strain relief. The protruding rib of strain relief should correspond to the protruding rib of inner core component. And the two protruding ribs should correspond to the two grooves inside the housing.

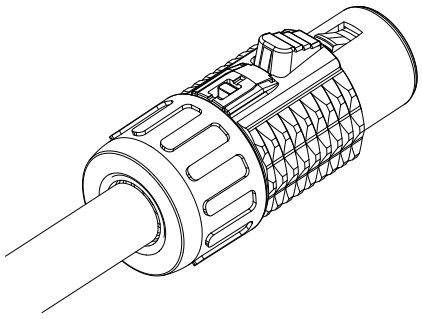
将接完线后的内芯用线夹推入外壳内，线夹的凸筋需与内芯凸筋对应，两处凸筋与外壳凹槽处对应。



(5) After the assembly of the strain relief, inner core component and housing, tighten the bushing in a clockwise direction with a torque of 3.5 N • m

线夹、内芯组件与外壳装配后，将尾套按顺时针方向用 3.5 N • m 扭矩拧紧





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