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Product Data Sheet
产 品 规 格 书

Product Type
产品类型
IP67 RJ45 Plug
IP67 RJ45 插头

Product Model
产品型号
SE8FS-05

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 RJ45 Plug** **IP67 RJ45 插头**	
Product Model 产品型号	**SE8FS-05**	

Product Features
产品特性

- Compatible with the SE8MS-05/SE8MC-05, it is used for cable connection and enables air-side mating during installation
- It has an IP65/IP67 ingress-protection rating and is suitable for any harsh or demanding outdoor environment.
- The cable sheath does not include a crimp connector.
- Wire diameter range: 5–7 mm.
- Featuring a lightweight plastic housing and a sleek design, it protects Ethernet connections in a wide range of commercial applications and safeguards the components within the RJ45 standard connector.
- It complies with the TIA/EIA 568B and ISO/IEC 11801 transmission standards for CAT6
- Serves as a replacement for the SE8FF-05, it is more cost-effective, aesthetically pleasing, and convenient, aligning with the trend toward miniaturization.

- 与 SE8MS-05/SE8MC-05 匹配，用于连接电缆，并在配合时实现空中对接
- 防水等级 IP65/IP67，适用于任何恶劣和苛刻的户外环境
- 电缆护套不包括水晶头
- 线径范围：5-7mm
- 轻巧的塑料外壳，时尚的设计，在众多商业应用中，保护以太网连接，并保护 RJ45 标准接插件中的组件
- 符合 TIA / EIA 568B and ISO / IEC 11801 的关于 CAT6 的传输标准
- 可替代 SE8FF-05，更经济、美观、方便，符合小型化趋势

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Product Parameters
产品参数

Item 项目	Specification 规格
Connection type 连接类型	RJ45 信号
Gender 公母性	Female 母

Electrical Parameters
电气参数

Item 项目	Specification 规格
Contact resistance 接触电阻	初始≤ 20 mΩ 插拔后≤ 30 mΩ
Dielectric strength 绝缘强度	800V DC
Insulation resistance 绝缘电阻	≥ 0.5 GΩ
Rated current 额定电流	0.5A/PIN
Rated voltage 额定电压	50 V
Frequency range 带宽频率	1 - 250 MHz
Transmission performance 传输等级	CAT6

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Mechanical Parameters
机械参数

Item 项目	Specification 规格
Cable OD 线缆线径	5-7mm
Insertion force 插入力	≤ 50 N
Withdrawal force 拔出力	≤ 50 N
Service life 使用寿命	> 1000 mating cycles > 1000 次使用周期

Material and Environmental Parameters
材料和环境

Item 项目	Specification 规格
Boot 尾套	PA 尼龙
Housing 外壳	PA 尼龙
Contacts 触点	Cu alloy 铜合金
Contact plating 触点电镀	Au 金
Protection degree 防护等级	IP65/IP67
Temperature range 使用温度范围	-30°C ~ +80°C

Standards and Certifications
标准和认证

Standards 标准	TIA/EIA 568B, IEC11801

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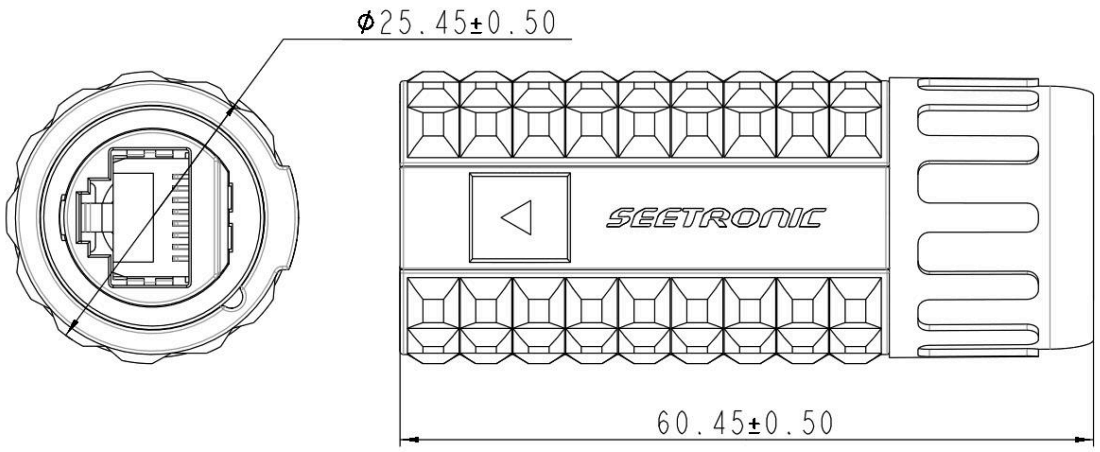
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Product Drawing
产品外形尺寸



Unit: mm

Packaging Method
包装方式

1 pc per bag (include 1 pc each of housing, cable clamp and boot)
80 pcs per inner carton, 5 inner cartons per master carton (400 pcs per master carton)

1 个/袋 (包含外壳、线夹、尾套各 1 个)
80 个/内盒，5 个内盒/箱 (即 400 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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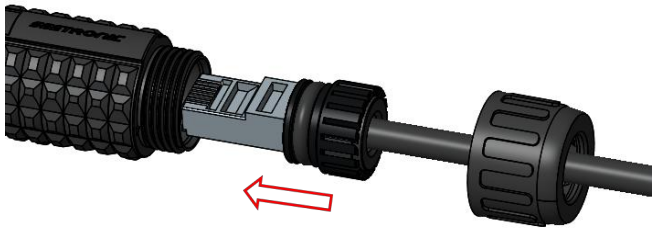
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Assembly Instructions
安装使用说明

(1) Thread the cable through the boot and the waterproof cable clamp. 将线缆穿过尾套与防水线夹	
(2) Assemble the cable with RJ45 组装水晶头	
(3) Push the assembled cable clamp and RJ45 into the housing 将组装后的线夹与水晶头推入外壳内	
(4) After assembly of the cable clamp, RJ45 and housing, tighten the boot in a clockwise direction 线夹、水晶头与外壳装配后，将尾套按顺时针方向拧紧	

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