# SEETRONIC

## Product Data Sheet

**Product Type**        **RJ45 Plug**

**Product Model**       **SE8FC-B**

**Customer Name**

| Manufacturer | Prepared | Checked | Approved |
|---|---|---|---|
| | | | |

| Customer | Received | Checked | Confirmed |
|---|---|---|---|
| | | | |

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# Product Data Sheet

| | |
|---|---|
| **Product Type** | **RJ45 Plug** |
| **Product Model** | **SE8FC-B** |

## Product Features

➤ Match with SE8MC-02-NEW for connecting cables and enabling aerial docking during mating

➤ Ideal for any harsh and demanding outdoor environment with waterproof rating IP65

➤ Cable connector carrier does not include RJ45 plug

➤ Cable OD 5-7 mm

➤ Sturdy die-cast shell and unique cable clamp

➤ Complies with CAT5e according to TIA/EIA 568B and ISO/IEC 11801 standard

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## Product Parameters

| Item | Specification |
| --- | --- |
| Connection type | RJ45 |
| Gender | Female |

## Electrical Parameters

| Item | Specification |
| --- | --- |
| Contact resistance | ≤ 10 mΩ |
| Dielectric strength | 1 KV DC |
| Insulation resistance | ≥ 0.5 GΩ |
| Rated current | 1.5 A |
| Rated voltage | 50 V |
| Frequency range | 1 - 100 MHz |
| Transmission performance | CAT5e |

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## Mechanical Parameters

| Item | Specification |
| --- | --- |
| Cable OD | 5-7 mm |
| Insertion force | ≤ 20 N |
| Withdrawal force | ≤ 20 N |
| Service life | > 1000 mating cycles |

## Material and Environmental Parameters

| Item | Specification |
| --- | --- |
| Boot | PA |
| Housing | Zinc alloy |
| Housing plating | Black plating |
| Contacts | Cu alloy |
| Contact plating | Au |
| Flame-retardant grade | UL 94-V0 |
| Temperature range | -30°C ~ +80°C |

## Standards and Certifications

| Standards | TIA/EIA 586B, IEC11801 |
| --- | --- |

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## Product Drawing

21.90±0.20

75.70±0.50

Ø16.20±0.15

Ø21.00±0.20

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Unit: mm
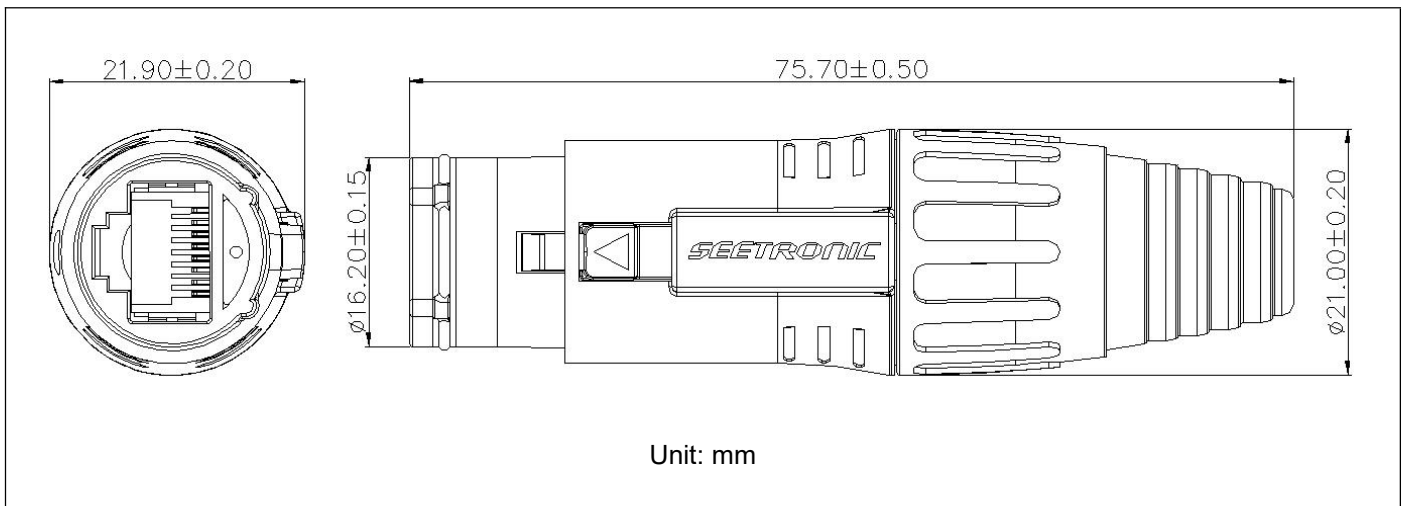
## Packaging Method

PE bag packing: 1 pc housing per PE bag, 80 pcs boot per PE bag, 80 pcs cable clamp per PE bag

80 pcs housing + 1 bulk packed boot + 1 bulk packed cable clamp per inner cartons, 5 inner cartons per master carton (400 pcs per master carton)
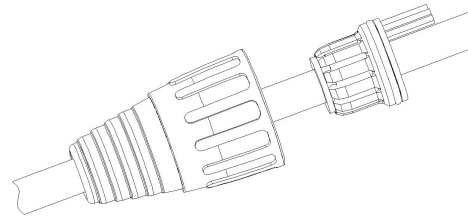
## Accessory

☑   No accessories                    ☐   Back fastener plate

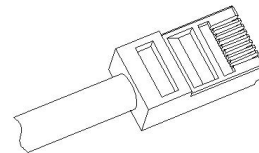☐   Screws and Nuts                  ☐   Other

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## Product Data Sheet

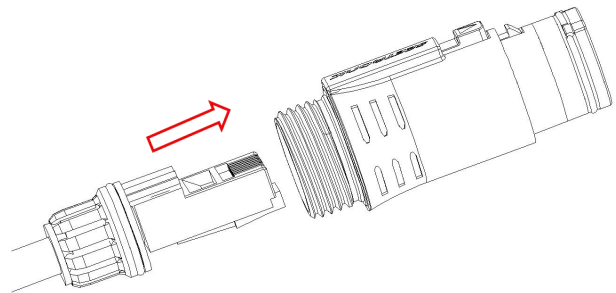### Assembly Instructions

| | |
|---|---|
| (1) Thread the cable through the boot and the waterproof cable clamp. |  |
| (2) Assemble the cable with RJ45 |  |
| (3) Push the assembled cable clamp and RJ45 into the housing |  |
| (4) After assembly of the cable clamp, RJ45 and housing, tighten the boot in a clockwise direction |  |