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Product Data Sheet

Product Type Optical Fiber Coupler

Product Model SO2DFF-S

Customer Name

Manufacturer	Prepared	Checked	Approved

Customer	Received	Checked	Confirmed

Above specifications and information may have tolerances and have been updated.
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Product Data Sheet

Product Type	**Optical Fiber Coupler**	
Product Model	**SO2DFF-S**	

Product Features

- Robust and reliable dual-channel fiber coupler
- Based on LC-Duplex connectors and compatible to conventional single-mode LC connectors
- It can achieve IP65 waterproof grade when used with SO2M plug
- Feed-through connection with automatic sealing shutter

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Product Data Sheet

Product Parameters

Item	Specification
Connection type	Coupler
Gender	Female-to-Female
Connector type	Single-mode PC

Electrical Parameters

Item	Specification
Contact resistance	< 7 mΩ
Rated current	6 A
Rated voltage	< 50 V
Dielectric strength	1.5 kV dc
Insulation resistance	> 2 GΩ (initial)
Rated current per contact	Contact 1+4, 9 A, Contact 2+3, 6 A

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Mechanical Parameters

Item	Specification
Service Life	> 1000 mating cycles
Insertion Force	< 45 N
Locking Device	Push-pull

Material and Environmental Parameters

Item	Specification
Housing	Aluminum alloy
Split sleeve	Ceramics
Insert	PA66
Contacts	Bronze
Contact plating	Au
Temperature range	-30°C ~ +80°C

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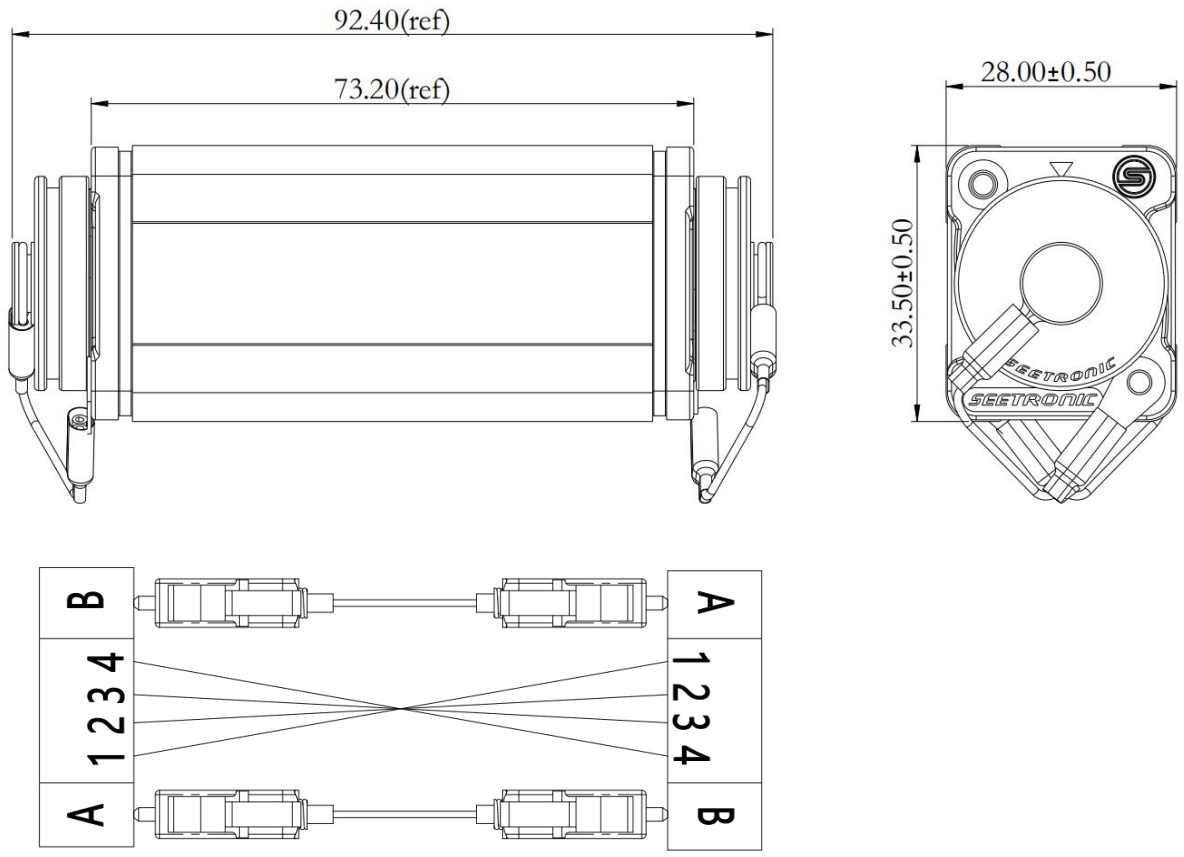
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Optical Properties

Item	Specification
Insertion loss	< 0.4dB@1310nm/1550nm
Optical connector	LC-Duplex

Product Drawing



Unit: mm

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Product Data Sheet

Packaging Method

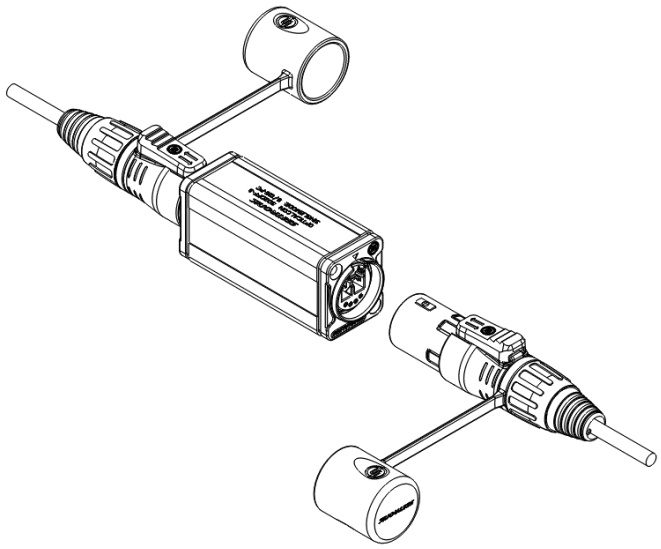
Pearl cotton protective packaging, 1 product per small box

Accessory

☑ No accessories
☐ Screws and Nuts
☐ Back fastener plate
☐ Other

Instructions

Open the stainless steel dust cover, insert the SO2M connector into one side of SO2DFF-S, and operate the other side in the same way to complete the connection of two optical fiber cables.



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