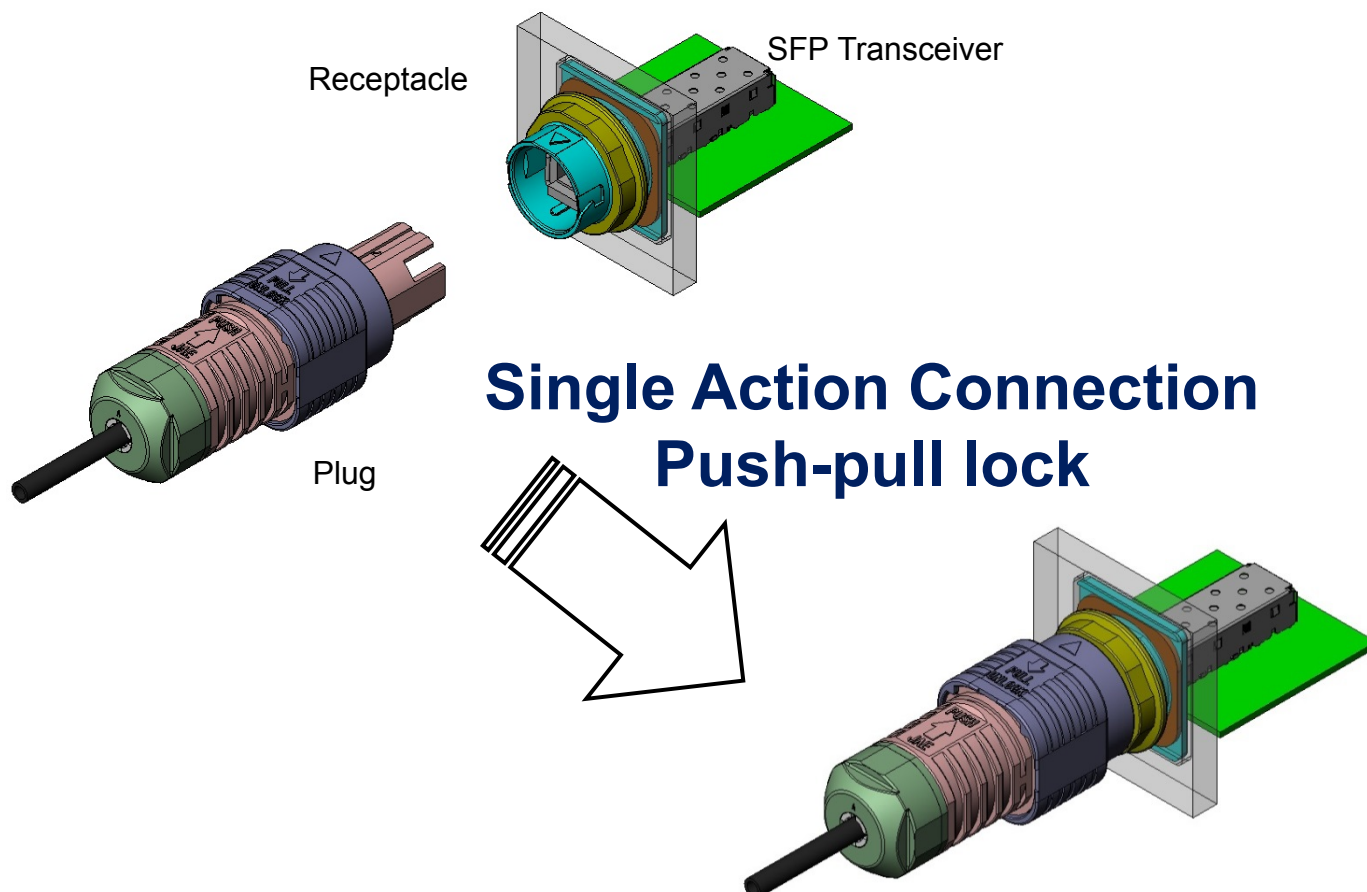


NEW
**SFP Direct Connection
Waterproof I/O
FO-BD6 Series**

CONNECTOR

MB-0314-1

October 2016



The FO-BD6 Series is a waterproof I/O connector that can connect with an on-board SFP transceiver by a single action. It features a reduction in both size and weight by using plastic material with superior environmental resistance. The FO-BD6 Series is ideal for use in a wide range of outdoor applications such as base stations of mobile phones and communication devices.

Features

- Single-action connection achieved with a three-axis floating structure.
- IP67 dustproof and waterproof, ideal for outdoor use with excellent environmental resistance performance.
- Compact and lightweight with plastic connector body.
- Space-saving compact design, including applicable cable length.

Applicable Markets

- Base stations for mobile phones and smartphones.
- Outdoor installed equipment, such as security cameras.

General Specifications

Item	Specification and Performance
Operating Temperature	-40 Deg. C to +85 Deg. C (Individual connector)
Applicable Cable Diameter	Φ5mm
Repeated Mating	500 times
Cable Clamp Strength	100N min.
Dustproof/Waterproof Performance	IP67 (When mated)
Corrosion Resistance	1,000 hours in salt mist

Materials and Finishes

■ Receptacle:

Component	Material and Finish
Shell	Weather Resistant Plastic
O-Ring	Synthetic Rubber

■ Plug:

Component	Material and Finish
Barrel	Weather Resistant Plastic
Gland Nut	Weather Resistant Plastic
Bushing	Synthetic Rubber
O-Ring	Synthetic Rubber

■ Waterproof Cap for Receptacle:

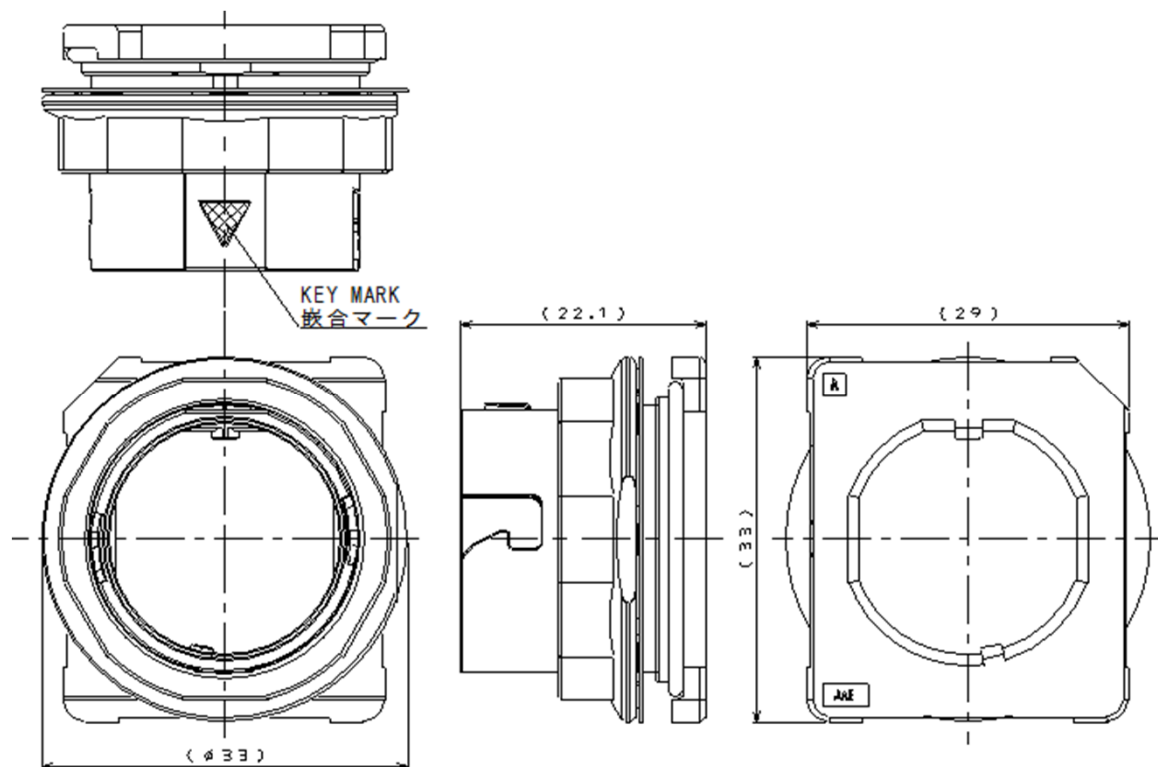
Component	Material and Finish
Cap	Weather Resistant Plastic

Ordering Information

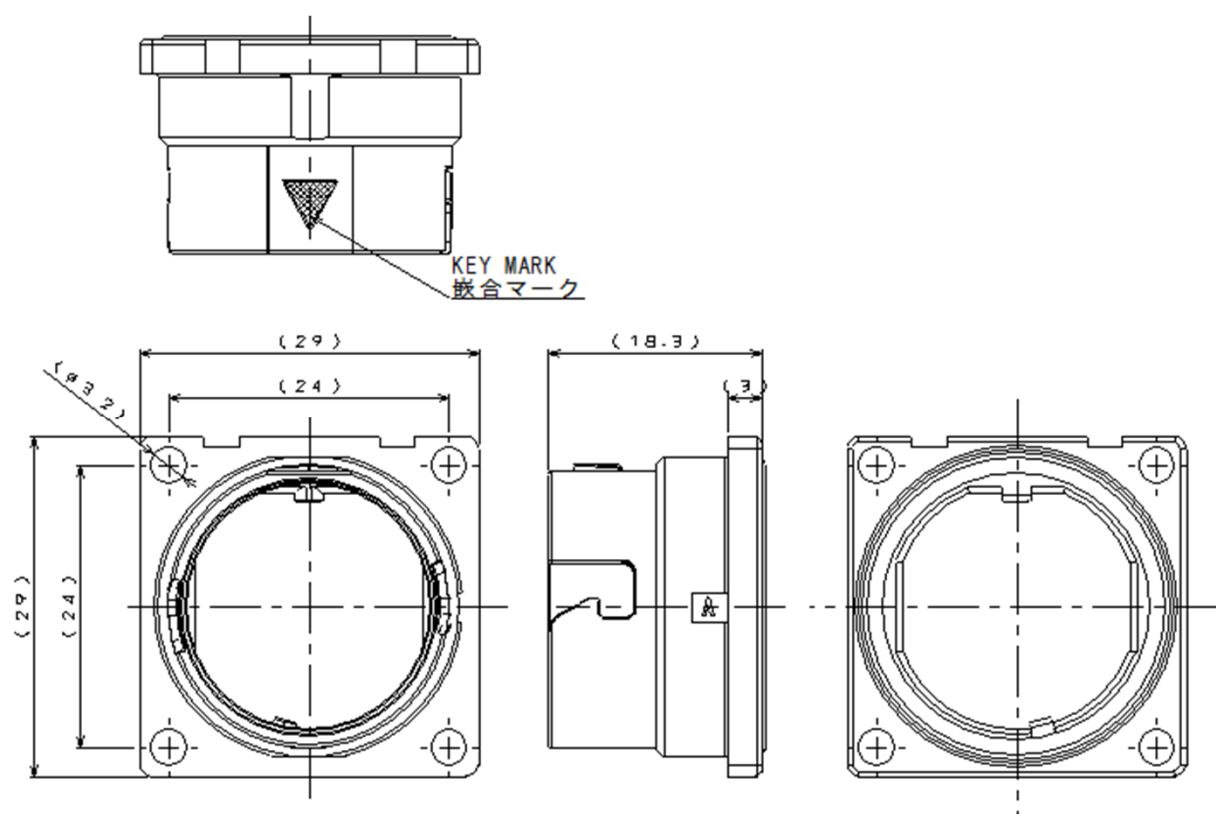
Type		Part Number	SJ Drawing	Specifications	Handling Instructions
Receptacle	Jam Nut Mounted Type	FO-BD6-R-B-F	SJ116087	Please contact us for details. (Adjustment of receptacle attachment location will be needed in accordance with the SFP module used.)	
	4-point Screw Type	FO-BD6-R-S	SJ116088		
Plug		FO-BD6-P-S	SJ116090		
Waterproof Cap for Receptacle		FO-BD6-R-DC	SJ116089		

Outer Dimensions

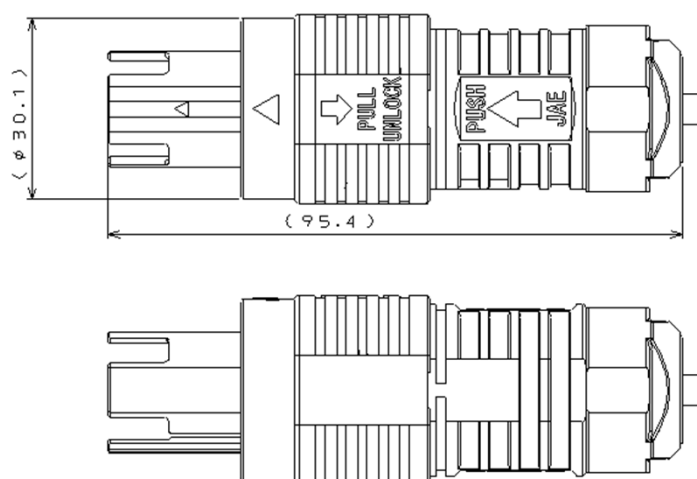
■ Receptacle: FO-BD6-R-B-F



■ Receptacle: FO-BD6-R-S

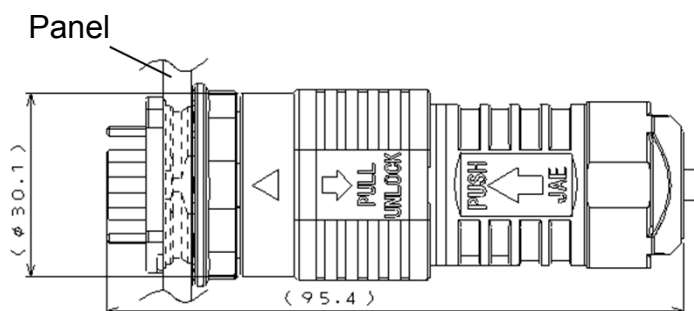


■ Plug: FO-BD6-P

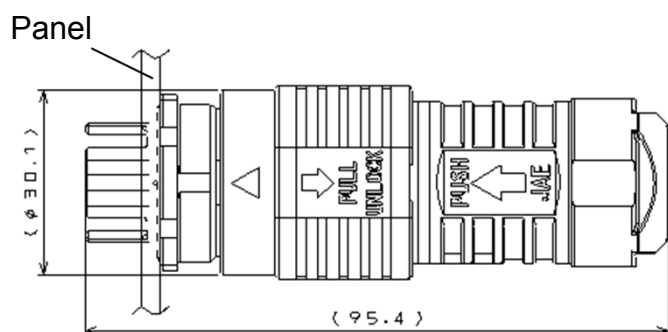


■ When Mated

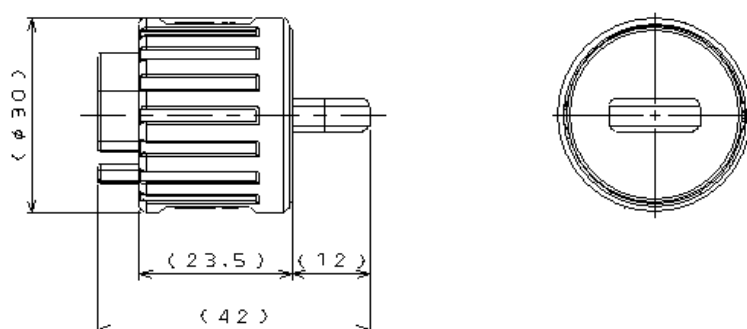
- Receptacle: FO-BD6-R-B-F



- Receptacle: FO-BD6-R-S



■ Waterproof Cap for Receptacle: FO-BD6-R-DC



Notice:

1. The values specified in this brochure are only for reference. The products and their specifications are subject to change without notice. Contact our sales staff for further information before considering or ordering any of our products. For purchase, a product specification must be agreed upon.

2. Users are requested to provide protection circuits and redundancy circuits to ensure safety of the equipment, and sufficiently review the suitability of JAE's products to the equipment.

3. The products presented in this brochure are designed for the uses recommended below. We strongly suggest you contact our sales staff when considering use of any of the products in any other way than the recommended applications or for a specific use that requires an extremely high reliability.

(1) Applications that require consultation:

(i) Please contact us if you are considering use involving a quality assurance program that you specify or that is peculiar to the industry, such as:

Automotive electrical components, train control, telecommunications devices (mainline), traffic light control, electric power, combustion control, fire prevention or security systems, disaster prevention equipment, etc.

(ii) We may separately give you our support with a quality assurance program that you specify, when you think of a use such as :

Aviation or space equipment, submarine repeaters, nuclear power control systems, medical equipment for life support, etc.

(2) Recommended applications include:

Computers, office appliances, telecommunications devices (terminals, mobile units), measuring equipment, audiovisual equipment, home electric appliances, factory automation equipment, etc.

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