

FO5706

Fiber Optic Rotary Joint

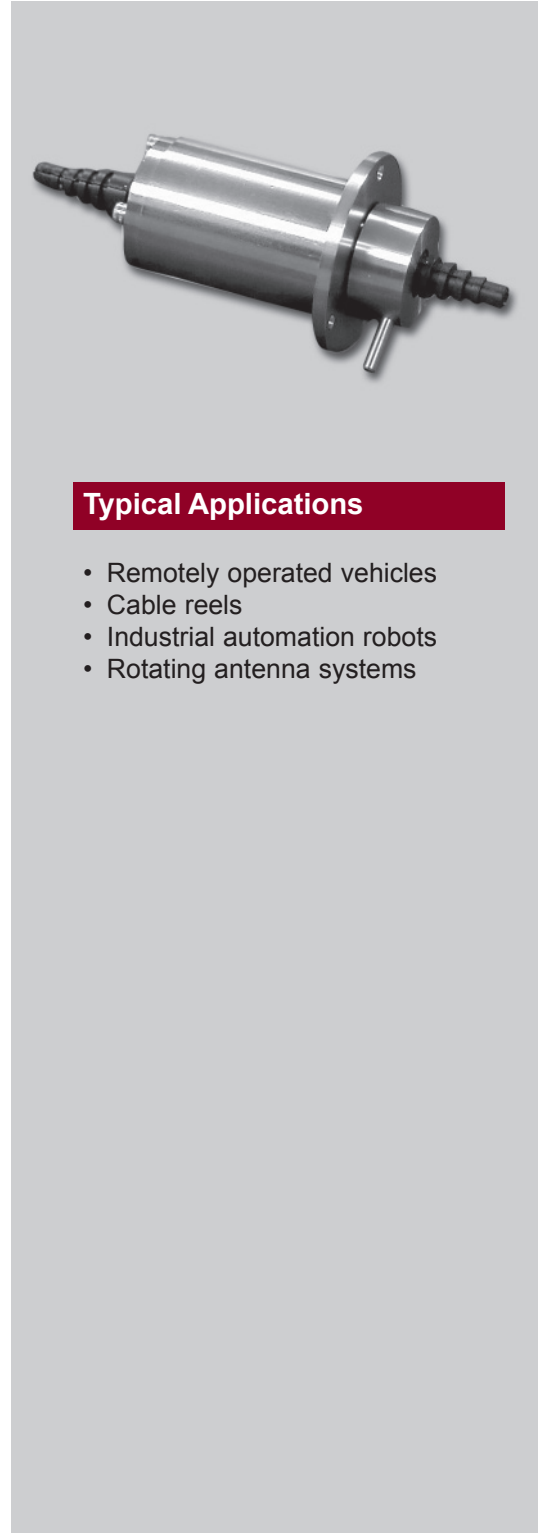
Description

The FO5706 is a cost effective singlemode fiber optic rotary joint. It features low insertion loss and good back reflection characteristics at an affordable price. The unit was designed for the demanding requirements of marine environments, which means it has good environment seals, a broad operating temperature range and good immunity to shock and vibration.

The assembly can be produced with pigtail lengths tailored to the customer's application. Most popular optical connectors are available with this product; please consult the factory about your specific needs.

Features

- Provides rotary coupling for singlemode fiber link
- Passive bidirectional device
- Can be integrated into existing slip ring designs
- Available with custom pigtail lengths up to 3 meters in length
- Environmentally rugged design; stainless steel housing



Typical Applications

- Remotely operated vehicles
- Cable reels
- Industrial automation robots
- Rotating antenna systems

Kontakt: Schweiz und Fürstentum Liechtenstein

Peromatic GmbH

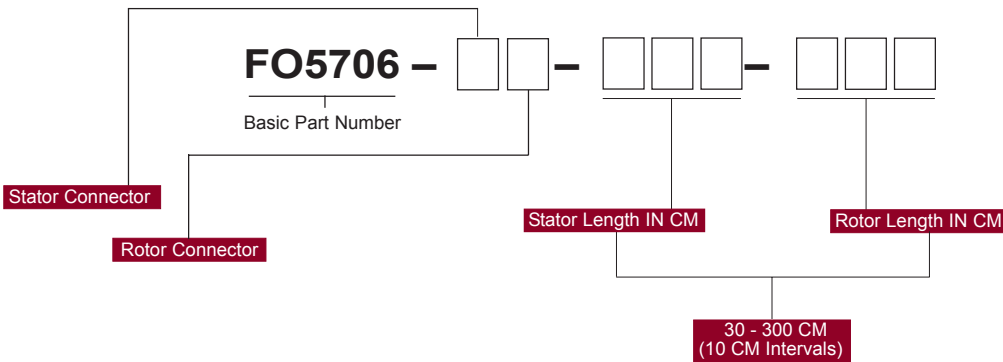
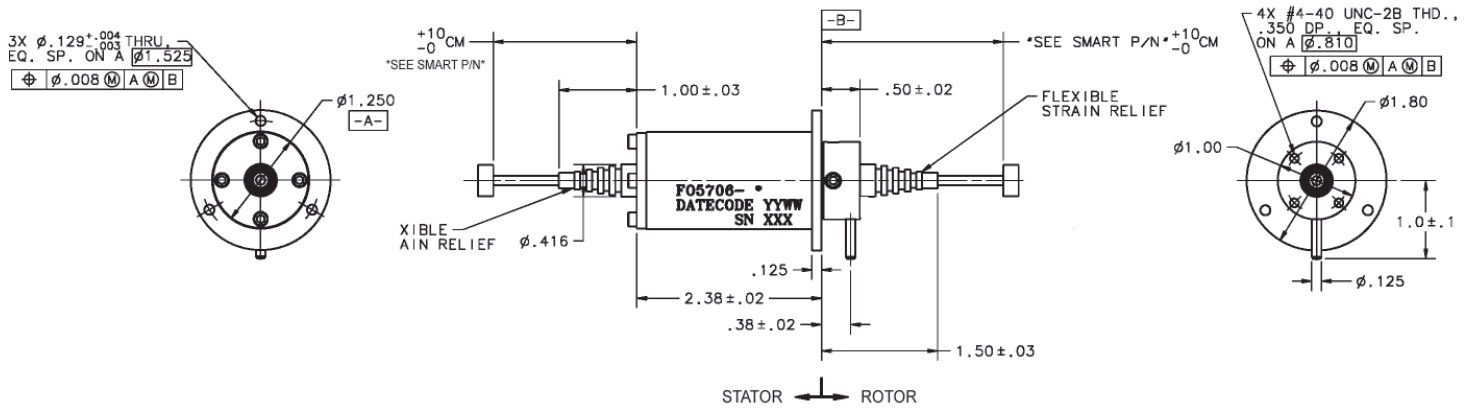
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Fiber Optic Rotary Joint (FORJ)

Specifications	
Fiber Size	9 / 125um
Operating Wavelength	1310 and / or 1550 nm
Insertion Loss	3.5 dB maximum
Back Reflection	-20 dB minimum
Temperature	-20 to 80 degrees C
Rotation Rate	120 rpm maximum
Exterior Surfaces	Stainless steel
Sealing	IP65
Vibration	Tested to Mil-STD-202, method 204, Condition A, 0.06 inch amplitude, 10-500 Hz
Shock	Tested to Mil-STD-202, method 213, Condition A, 509 / 11ms / 1/2 sine

* All dimensions are in inches and tolerances unless otherwise specified are:
 .xxx = ±.005 .xx = ±.01 .x = ±.03



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