

# Fiber Optic Rotary Joint (FORJ)



## **Description:**

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Fiber Optic Rotary Joints are very common and crucial component for interfacing fiber optic and copper infrastructure segments at moving environment like Radar systems or rotating equipment cabinets.

## **Features:**

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- > Up to 7 independent fibers
- > SM or MM channels
- > Compact size
- > Low crosstalk
- > IP65 sealing for harsh environments

## **Applications:**

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- > Up to 7 independent fibers
- > SM or MM channels
- > Compact size
- > Low crosstalk
- > IP65 sealing for harsh environments

## Specifications and Dimensions:

Characteristics	Value
Line wavelength	1270-1610 nm for SM, 850 and 1310 nm for MM
Fiber type	MM or SM
Fiber Connector	SC/LC/FC/ST/SMA
Insertion loss	<5dB (2-3dB typical)
Insertion loss ripple	+/-0.5 TO 1dB
Return loss (SM)	>45dB
Crosstalk	>50dB
Chromatic dispersion	<0.01ps/nm
PMD	<0.01ps
Maximum speed	300rpm
Pulling strength	10N
Startup torque	<1Nm
Est. Life cycle	100-200M revolutions
Max Optical Power	23dBm
Housing material	Stainless steel
IP Rating	Up to IP65
Weight	1.5Kg
Operating Temperature	-20~+650C
Storage Temperature	-25~+750C
Dimensions	1ch : 94x70x26mm; 4ch : 172x153x28mm

## Ordering Information:

**Q-MX** \_ \_ \_ \_ \_

Channels		Wavelength		Fiber Type		Material		Connector Type		Water Proof	
1	1 Channel	850	850nm	50	50µm	A	Armoring	1	ST	I	IP65
2	2 Channels	131	1310nm	65	65µm	S	Stainless steel	2	FC		
3	3 Channels	155	1550nm	9	09µm			3	SC		
4	4 Channels										
5	5 Channels										
6	6 Channels										
7	7 Channels										

Example: **Q-MX285050A3I**

[Channels=2; Wavelength=850nm; Fiber Type=50µm; Material=Armoring; Connector Type=SC; Water Proof=IP65]