

# MFO100B series

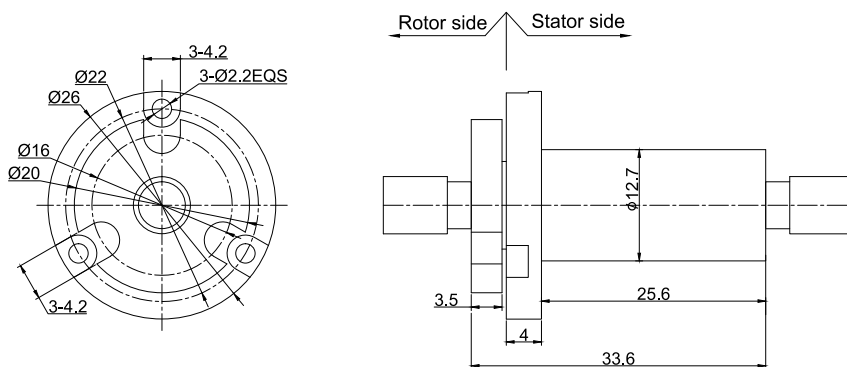
## 1 Channel (FORJ)fiber Optic Slip Rings

MFO100B fiber optic slip ring support 1 channel fiber optic(SM/MM). It can perfectly transmit data on 360° rotating. It is also especially suitable for occasion where it needs to transmit large volume data/signal from permanent position to rotation position under unlimited, continuous or discontinuous rotating, which can improve mechanical property, simplify system operation and avoid the rotating of turning joints destroying fiber optics.



### Features :

- Low insertion loss, high rotation speed
- Non-contact, zero friction, long working life, single core can achieve one hundred million revolutions
- Small in size, in light weight, high sealing class
- Fiber optics transmitting signal, no leaks , no electromagnetic interference, long-distance



### Part # Explanation

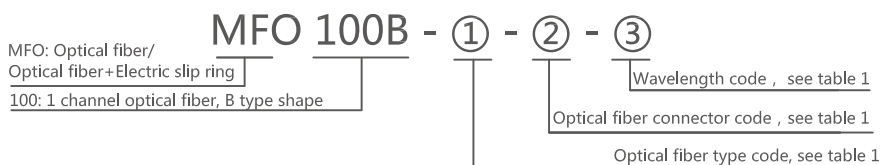


Table 1

Fiber Type Code	Fiber Connector Code	Wavelength Code
01 : 9/125um , Single-mode	FC : FC Connector    ST : ST Connector	01 : 1310/1550(Single-mode)
02 : 50/125um , Multiple-mode	SC : SC Connector    LC : LC Connector	02 : 850/1310(Multiple-mode)
03 : 62.5/125m , Multiple-mode	The connector face is PC by default , If APC is needed, APC should be added behind APC, such as FC/APC.	

### Specifications

Items	Type	Single-Mode	Multiple-Mode
	Wavelength(nm)		±50
Max Insert Loss , 23°C(db)		1.2	0.7
Insert Loss Ripple(db)		0.6	0.4
Return Loss(db)		≥55(No connector)	≥40(No connector)
Max Power(w)		0.5	
Weight(g)		50	
Max Rotating Speed(rpm)		1000	
Working Life		> 5 billion turn	
Working Temperature(°C)		-45~85	
Storage Temperature(°C)		-50~85	
Protection Grade		IP68	