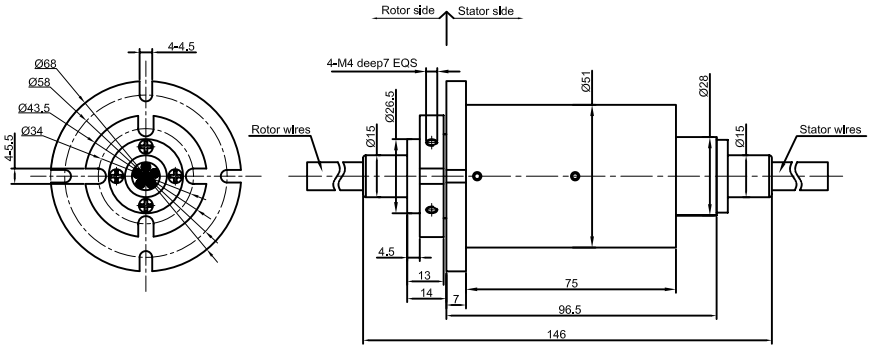
MFO600A series

6 Channels Fiber Optic Slip Rings

MFO600A fiber optic slip ring support 6 channels 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 size, light weight, high sealing class
- Fiber optics transmitting signal, no leaks，no electromagnetic interference, long-distance transmission



Part # Explanation

MFO 600A - ① - ② - ③

- MFO: Optical fiber/ Optical fiber+Electric slip ring
- 600A: 6 channels optical fiber, A type shape
- ③: Wavelength code，see table 1
- ②: Optical fiber connector code，see table 1
- ①: Optical fiber type code, see table 1

Table 1

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

Specifications

Itmes / Type	Single-Mode	Single-Mode
WaveWidth(nm)	±50	
Max insert Loss，23℃(dB)	4	3.5
Insert Loss Ripple(dB)	2	1
Return Loss(dB)	≥50(No connector)	≥40(No connector)
Max Power(W)	0.5	
Weight(g)	200(No fiber optic cable)	
Max Rotating Speed(rpm)	250	
Working Life	>200 million turn	
Working Temperature(℃)	-45~85	
Storage Temperature(℃)	-50~85	
Protection Grade	IP54	

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