

ECN000-02P3-01F

Power + Fiber optic rotary joint

This unit can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotating structure. It can provide high speed, long life, high protection slip ring customization, and integrate a variety of signals, such as Ethernet, USB, RS, CANbus, FireWire, SDI, HDMI, etc. ECN000-02P3-01F with compact power and signal handling design provides unique capability for many challenging applications. Also provide smoother running, higher design precision, lower torque, lower contact resistance, and lower electrical noise than competitive slip rings.

Features

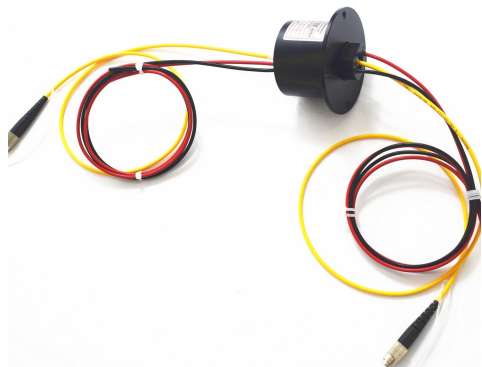
- ◆ High working speed
- ◆ Flange installation
- ◆ Power integrated signal
- ◆ With FC connector

Applications

- ◆ Medical equipment
- ◆ Inspection instrument
- ◆ Rotary tables
- ◆ Test benches

Optional

- ◆ Through hole size
- ◆ Current & signal numbers
- ◆ Wavelength & fiber channel
- ◆ IP protection grade

ECN000-02P3-01F	Specification	Picture
Circuits & Current	2*12A, 1*fiber optic	
Voltage	0-400VAC/VDC	
Dielectric strength	$\geq 1000\text{V}@50\text{Hz}$	
Insulation resistance	$\geq 500\text{M}\Omega@50\text{VDC}$	
Electrical noise	$\leq 30\text{m}\Omega$ (50 rpm)	
Operating speed	0-1000 rpm	
Contact material	Precious metal	
Housing material	Aluminum alloy	
IP grade	IP51	
Fiber channel & type	1 channel SM	
Wavelength	1310/1550 nm	

Outline Drawing

