

Compact Slip Rings

1001398-008 Datasheet



Description

Aeroflex Airflyte has developed a standard line of compact slip ring assemblies that can be used for the transmission of low level signals up to 2 amperes per circuit. This capsule features gold alloy contacts, precision ball bearings, #30 AWG Teflon insulated lead wires enclosed in a stainless steel housing. Each circuit has redundant contacts that ride in V-grooved rings. This design provides the lowest electrical noise in its class. These smooth running units operate with a very minimal amount of torque and are an excellent choice for transmitting electrical signals through a rotating joint.

Features

- Transfers power, analog, digital and video signals
- 12 circuits
- Compact size
- Electrical Noise < 10 milliohm at max speed
- Speeds up to 600 rpm
- Gold on gold contacts
- Precision ball bearings
- Stainless steel covers
- Made in USA



Typical Applications

- CCTV pan / tilt camera mounts
- Security cameras
- Robotic systems
- Medical equipment
- Electrical test equipment
- Manufacturing equipment

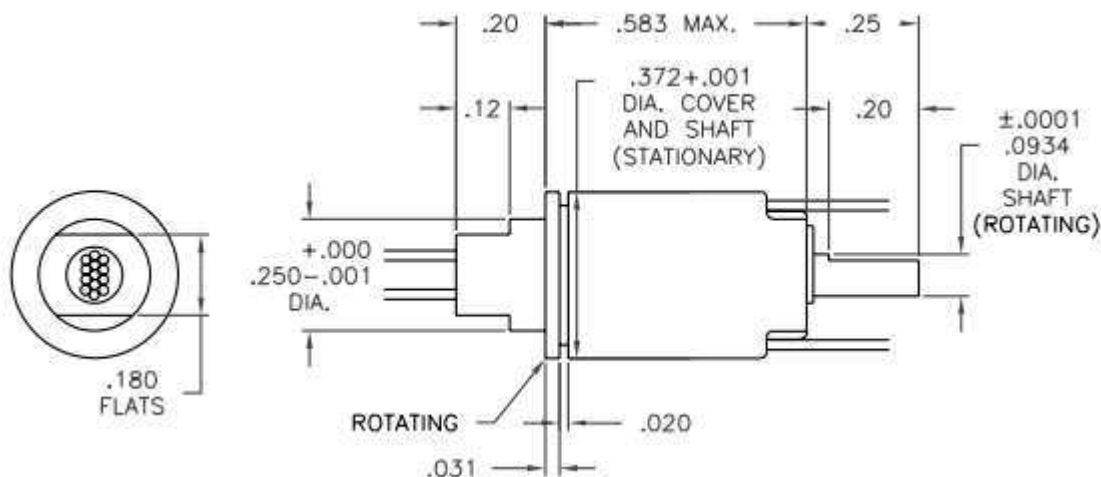
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Specifications

Number of Circuits	12
Current Rating	1 Amp per ring maximum
Voltage	Micro-volts to 150 VDC / VAC
Dielectric Strength	500 VRMS, all combinations
Insulation Resistance	500 megaohms min. @ 500 VDC
Electrical Noise	20 milliohms maximum
Lead Wire	#30 AWG, Teflon insulated, stranded conductor
Lead Wire Length	12" on both ends
Operating Speed	0 to 600 rpm maximum, intermittent
Contacts	Gold on Gold
Rotation	Bi-directional
Temperature Range	-55°C to +125°C



Aeroflex Airflyte

3030 Horseshoe Drive South, Naples, FL 34104

Tel: (239) 263-3102

Fax: (239) 261-3110

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