Standard Slip Rings
1001808-001 Datasheet

Description

Aeroflex Motion Control has developed a standard line of slip ring assemblies that can be used for the transmission of low level signals up to 2 amperes per circuit. These capsules feature gold alloy contacts, precision ball bearings, #26 AWG Teflon insulated lead wires, and are cast in a durable high tech plastic. 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
- 32 circuits
- Compact size
- Electrical Noise < 10 milliohm at max speed
- Speeds up to 60 rpm
- Gold on gold contacts
- Precision ball bearings
- RoHS Compliant
- Made in USA



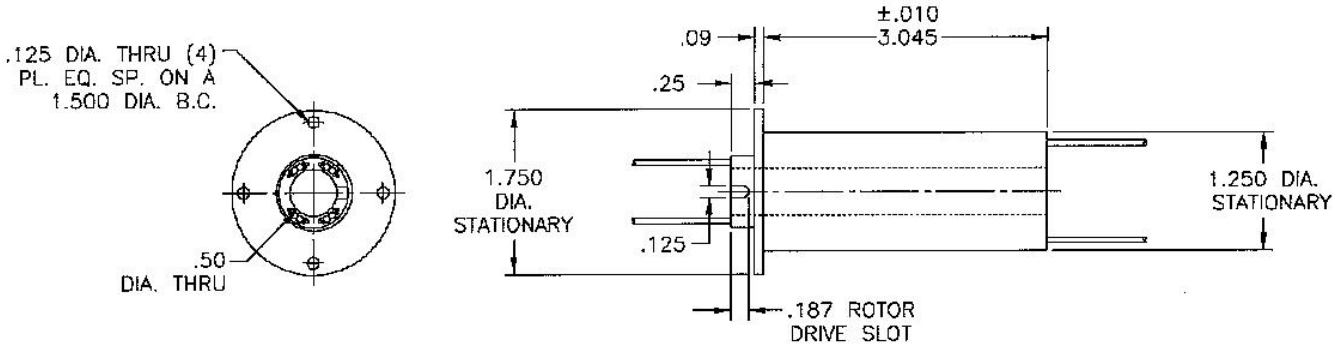
Typical Applications

- Pan / tilt positioners
- Remote weapon stations
- Robotic systems
- Medical equipment
- Electrical test equipment
- Manufacturing equipment

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Specifications

Number of Circuits	32 Total 8 Power circuits 24 Signal circuits
Current Rating	8 Amps per Power circuit maximum 2 Amps per Signal circuit maximum
Voltage	Micro-volts to 210 VDC / 240 VAC
Dielectric Strength	500 VRMS, all combinations
Insulation Resistance	1000 megaohms min. @ 500 VDC
Electrical Noise	10 milliohms maximum
Lead Wire	#26 AWG, Teflon insulated, stranded conductor
Lead Wire Length	24”
Operating Speed	0 to 60 rpm maximum, intermittent
Contacts	Gold on Gold
Rotation	Bi-directional
Temperature Range	-40°C to +80°C



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