

AC7183

High capacity slip ring capsule

Description

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power and data from a stationary to a rotating structure.

The AC7183, is a high capacity slip ring, an extension of our very popular AC6355 / AC7195 slip ring capsule family, offering up to 80 possible rings. The design provides multiple combinations of power connections for 2 amps, 5 amps, 10 amps and signal options including coax, HD video, Ethernet and more.

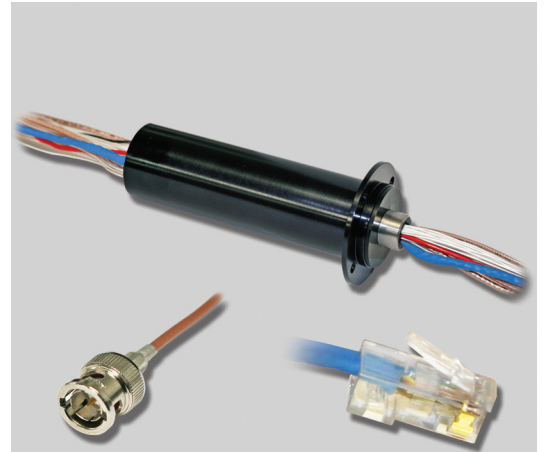
The AC7183 utilizes gold-on-gold contact technology with very low electrical noise for unparalleled performance and provides functional life that exceeds any competitive slip ring.

Features

- Multiple circuit options for power, signal, video, data communication and Ethernet configured to your requirements
- Compliant with IEEE 802.3 formats
 - 10BaseT
 - 100BaseTx
 - 100BaseT2
 - 1000BaseT
- Video options
 - 50 ohm coax
 - 75 ohm coax
 - Compatible with HD-SDI
- Speeds up to 250 RPM continuous
- 24 inch lead lengths standard, others optional
- Aluminum housing standard
- Sealing to dust and light fluid splash available

Benefits

- Compact
- Plug-and-play Ethernet and video connection



Typical Applications

- High performance surveillance
- Motor control
- POE (Power-Over-Ethernet)
- High definition video security
- Pan / tilt systems

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High Capacity Slip Ring Capsule

AC7183 Specifications		Options
Operating Speed	250 rpm*	<ul style="list-style-type: none"> Splash seals for dust and light fluid splash Standard 24 inch lead lengths, other lengths optional No flange
Power Options	2, 5 and 10 amp	
Data Options	Ethernet 10 / 100 / 1000BaseT, 50 / 75 ohm coax, HD-SDI video, supports multiple communication protocols	
Voltage	240 VAC on power circuits	
Temperature Range	-40°C to +80°C	
Contact Material	Gold-on-gold	
Current Rating	2 to 10 amps	
Dielectric Strength	250 VA @ 60 Hz, between each circuit and all other circuits	

*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature.

The AC7183 is available in multiple ring configurations to accommodate customized power and communication requirements. Undefined ring spaces are populated with 2 amp connections with 26 AWG lead wire. The following table may be used to approximate the available configurations:

Circuit Table			
Designation	Description	Ring Spaces Required*	Maximum per Slip Ring
V	5 amp power ring	3	26
X	10 amp power ring	5	16
C	50 ohm coax	5	16
K	75 ohm coax	5	14**
E	10 / 100BaseT Ethernet	6	13
G	1000BaseT Ethernet	12	6
H	HD-SDI video	10	8

*Total ring spaces required for all circuit desired must be < 80.

**Limited by cable size not circuit count.

AC7183 Dimensions

