

AC6355

Compact in various circuit configurations

Description

A slip ring capsule can be used in any electromechanical system that requires unrestrained, intermittent, or continuous rotation while transferring power and / or data.

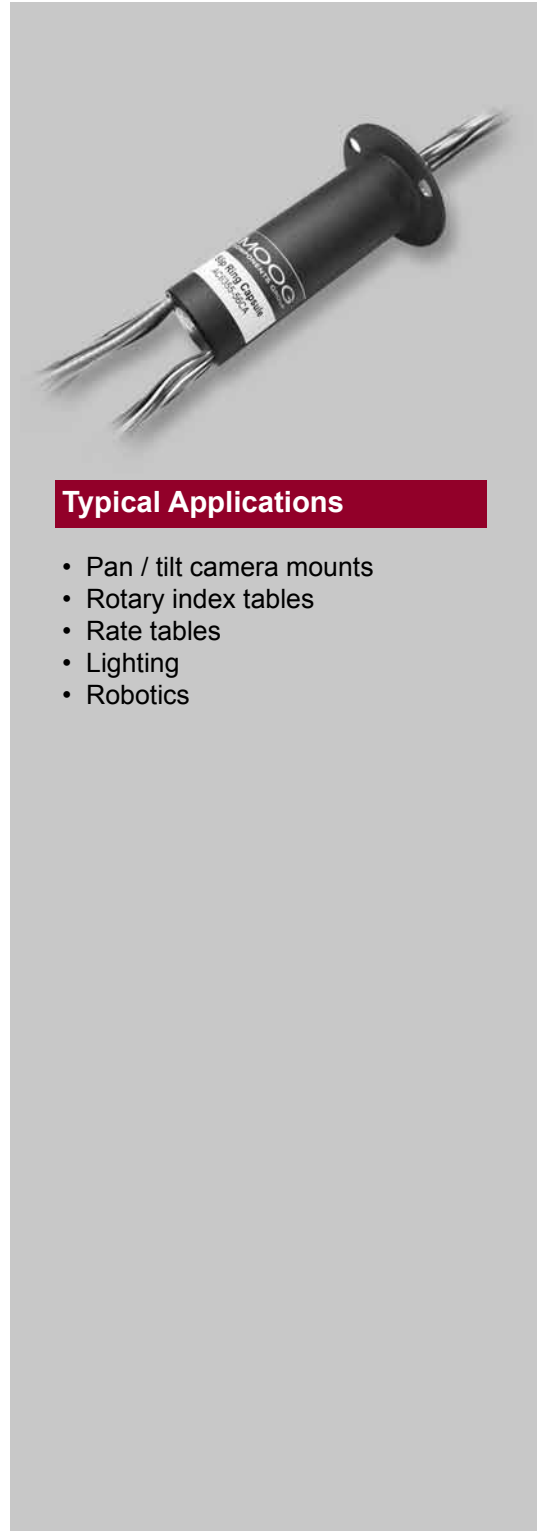
The AC6355 provides an economical, readily available solution when a compact, high circuit count configuration is required. Our standard units, AC6355-36 and AC6355-56 offer 36, 2 amp and 56, 2 amp signal rings, respectively. These units can be modified to provide various combinations of power, signal and coax circuits. Similar in design to our very popular AC6023, this design features gold-on-gold contact technology for ultimate performance in many challenging applications.

Features

- Standard 36 and 56 circuit models with 2 amp circuits
- 2 amp, 5 amp, 10 amp circuit combinations standard; 50 or 75 ohm coax circuit combinations are optional
- Precision ball bearing for long life
- Speeds up to 250 rpm
- Compact size
- Sealed units available (dust and light splash only)
- Metal housing available
- Transfers analog and digital signals
- Compatible with data bus protocols

Benefits

- Unique signal handling performance with minimal electrical circuit noise
- Tight packaging to fit in the most demanding space constraints
- Low torque to minimize system torque budget
- Rapid delivery



Typical Applications

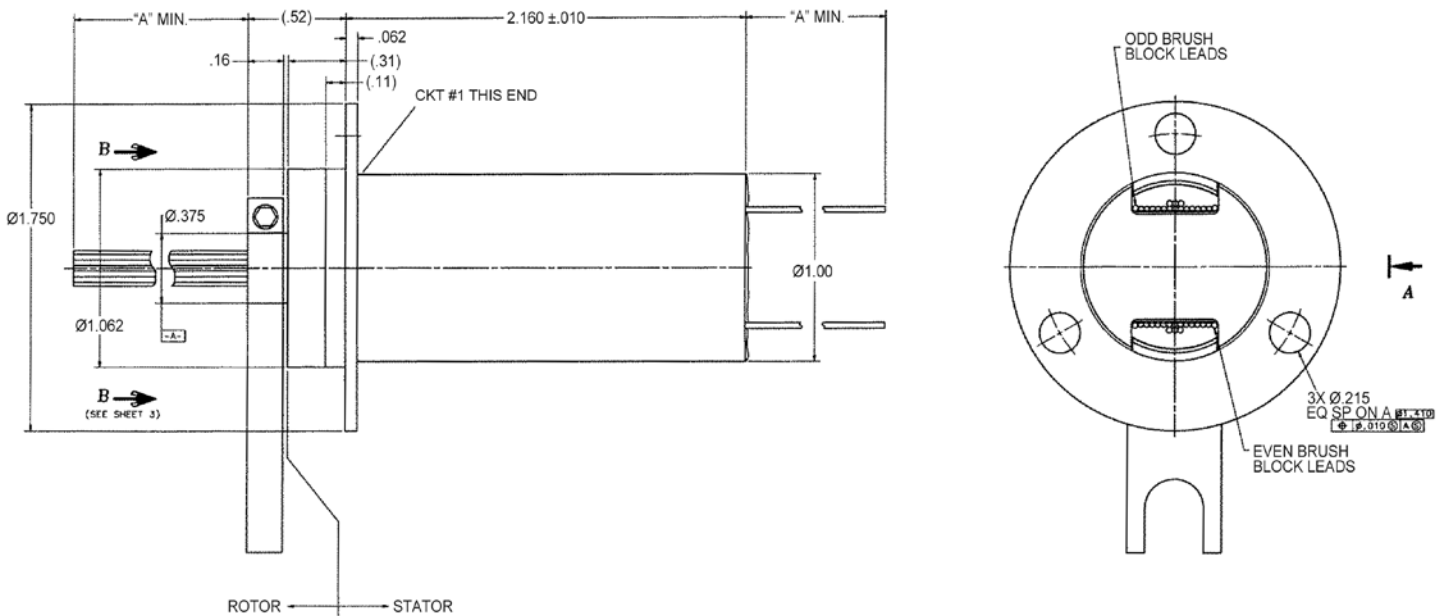
- Pan / tilt camera mounts
- Rotary index tables
- Rate tables
- Lighting
- Robotics

Slip Ring Capsules (Compact)

AC7038 Specifications (IP 65 Sealed Version of AC6355)		Options	
Operating Speed	250 rpm*	<ul style="list-style-type: none"> • 48 inch (1200 mm) length leads • 50 ohm coax, RG178 • 75 ohm coax, RG179 • Splash seals for dust and moisture resistance 	
Circuit Configurations	36 ring		56 ring
	36 @ 2 amp		56 @ 2 amp
	4 @ 5 amp; 28 @ 2 amp		4 @ 5 amp; 48 @ 2 amp
	4 @ 10 amp; 20 @ 2 amp		4 @ 10 amp; 40 @ 2 amp
Lead Length	24 inch (600 mm)		
Lead Size / Type	2 amp, 26 AWG 5 amp, 20 AWG 10 amp, 16 AWG		
Housing	Aluminum housing, black anodized		
Voltage	240 VAC		
Operating Temp.	-40°C to +80°C		
Contact Material	Gold		
Electrical Noise	60 milliohms max.		
Environmental	IP 65 sealed		

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

AC7038 Dimensions



Dimensions in inches