

AC7203

Ethernet 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 AC7203, a derivative of our very popular AC6023 series, provides Ethernet communication in combination with 2 amp, 5 amp and 10 amp power connections. Options are available for both 10 / 100BaseT and 1000BaseT (Gigabit Ethernet). The Ethernet cable is supplied terminated with a RJ45 jack, ready to connect.

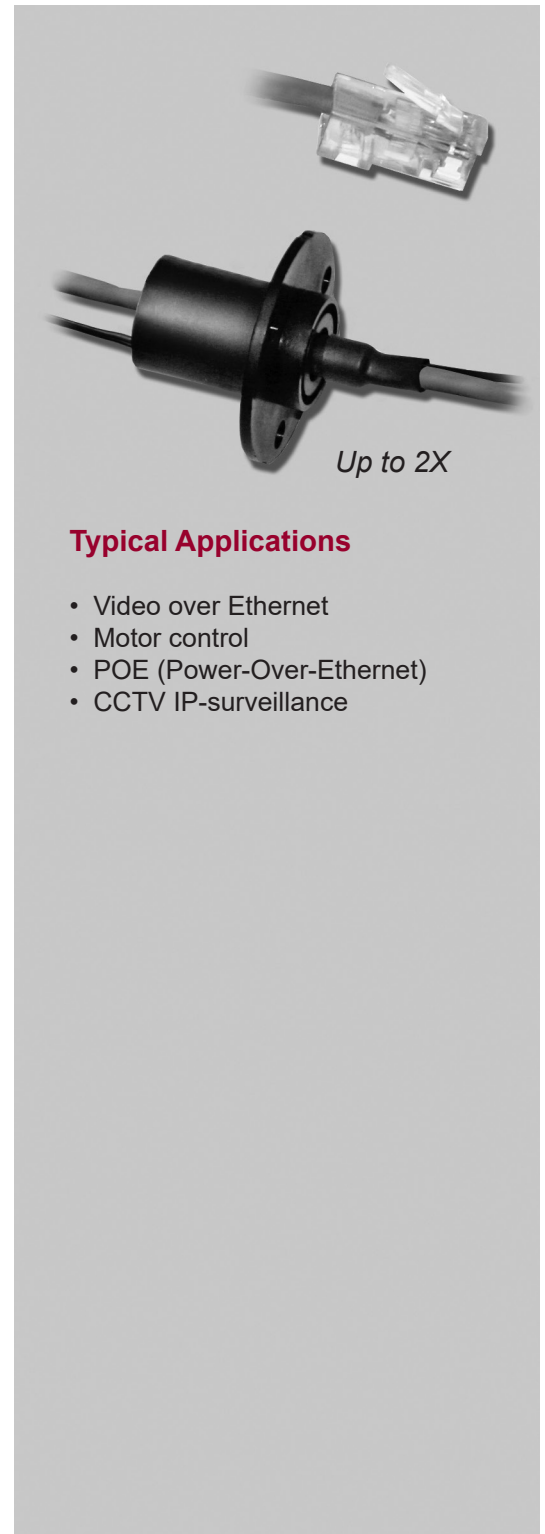
The AC7203 utilizes gold-on-gold contact technology with very low electrical noise for unparalleled performance and provides functional life that exceeds any competitive slip ring.

Features

- Fully compliant with IEEE 802.3 formats
 - 10BaseT
 - 100BaseTx
 - 100BaseT2
 - 1000BaseT
- Speeds up to 250 RPM continuous
- 12, 24, 36 and 48 inch lead lengths
- Available with various combinations of Ethernet, 2 amp, 5 amp and 10 amp connections
- Sealing to dust and light fluid splash available

Benefits

- Compact
- Plug-and-play Ethernet connection



Typical Applications

- Video over Ethernet
- Motor control
- POE (Power-Over-Ethernet)
- CCTV IP-surveillance

AC7203 Specifications		Options
Operating Speed	250 rpm* continuous	<ul style="list-style-type: none"> • Splash seals for dust and light fluid splash • Standard 12 inch lead lengths, optional 24, 36 and 48 inch available • No flange • Metal housing
Ethernet Connections	10 / 100BaseT and 1000BaseT	
Circuit Options	Ethernet plus, 2 amp, 5 amp and 10 amp	
Voltage	240 VAC on power circuits	
Temperature Range	-40°C to +80°C	
Contact Material	Gold-on-gold	
Current Rating	2 to 10 amps	

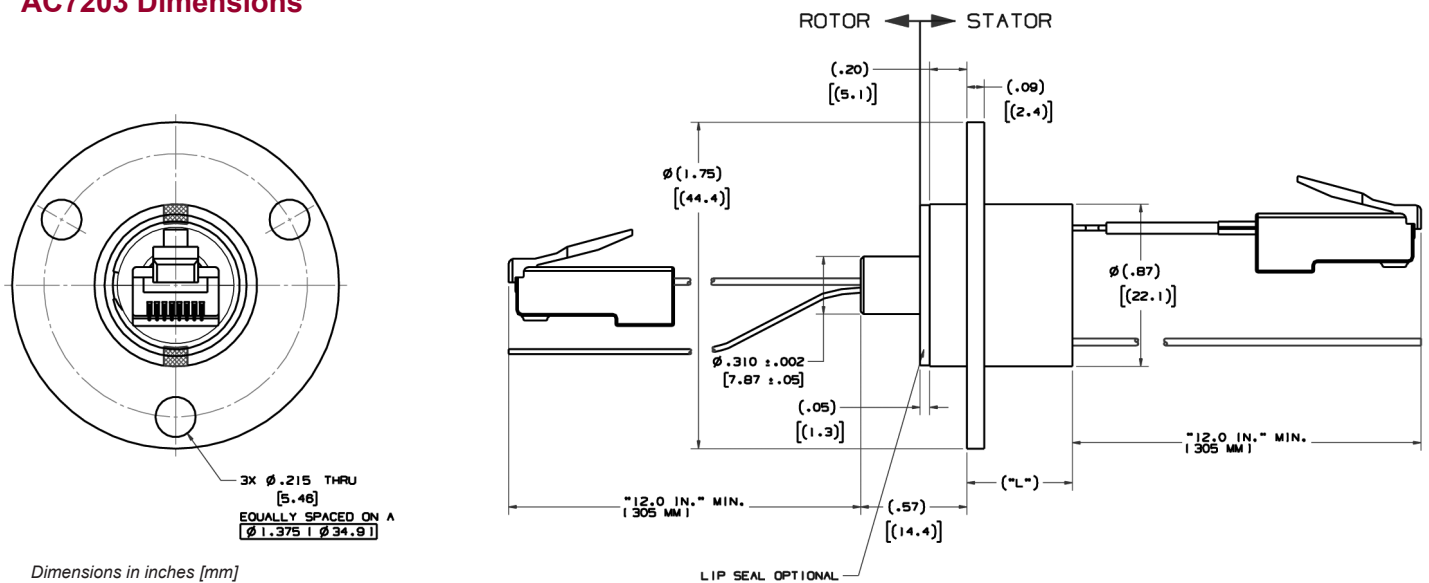
*Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature.

Part #	Continuous Current (amps)			Ethernet	
	2	5	10	100BaseT	1000BaseT (or 2 100BaseT)
AC7203-6				1	
AC7203-12	6			1	
AC7203-12V		2		1	
AC7203-12G					1
AC7203-18	12			1	
AC7203-18V	6	2		1	
AC7203-18X	2		2	1	
AC7203-18G	6				1
AC7203-18GV		2			1
AC7203-24	18			1	
AC7203-24V	12	2		1	
AC7203-24X	8		2	1	
AC7203-24G	12				1
AC7203-24GV	6	2			1
AC7203-24GX	2		2		1
AC7203-24GG					2

Part Number	Length "L"
AC7203-6	.57 inch (14.5 mm)
AC7203-12	.84 inch (21.3 mm)
AC7203-18	1.11 inch (28.2 mm)
AC7203-24	1.38 inch (35.1 mm)

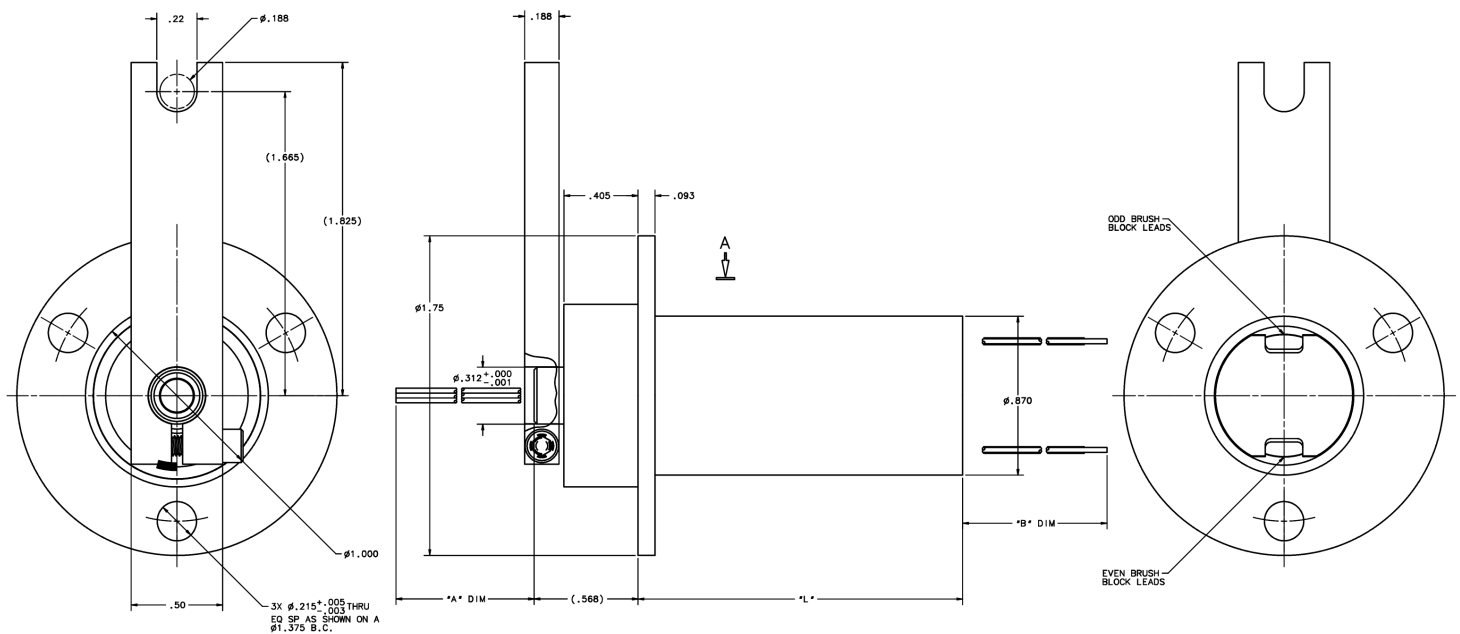
NOTE: Contact factory for details on wire colors

AC7203 Dimensions



AC7551 Specifications (IP 65 Sealed Versions of AC6023, AC6305/AC6310, AC7188, & AC7203)		Options
Operating Speed	250 rpm	<ul style="list-style-type: none"> • No Flange • 12, 24, 36, or 48 Inch Leads • See data sheets for standard circuit options <ul style="list-style-type: none"> - AC6023 - AC6305/AC6310 - AC7188 - AC7203 • Custom wiring configurations can be quoted
Current Rating	2A, 5A, 10A	
Voltage	240 VAC / VDC	
Contact Material	Gold-on-gold	
Temperature Range	-40°C to +80°C	
Electrical Noise	60 milliohms max.	
Video Connections	HD-SDI	
Ethernet Connections	10/100BaseT and 1000BaseT	

AC7551 Dimensions



Dimensions in inches

Part Number	Capsule Length (L)
AC7551-6	.965 in
AC7551-12	1.235 in
AC7551-18	1.505 in
AC7551-24	1.775 in

Dash Number	Dim "A"	Dim "B"
AC7551-*	12.0 in minimum	11.5 in minimum
AC7551-*A	24.0 in minimum	23.5 in minimum
AC7551-*B	36.0 in minimum	35.5 in minimum
AC7551-*C	48.0 in minimum	47.5 in minimum