

Slip Ring Capsules (Compact)

SRA-73526 / SRA-73528 / SRA-73599

Compact in various circuit configurations

Description

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power and / or data from a stationary to a rotating structure. A slip ring is also called a rotary electrical interface, commutator, collector, swivel or an electrical rotary joint.

Features

- 6, 12, 18 and 24 circuit models
- 2 amp / 210 VDC / 240 VAC circuits
- Precision ball bearings meet or exceed life requirements for most commercial applications
- Speeds up to 250 rpm continuous
- Compact size: .77 inch to 1.44 inch lengths (depending upon number of circuits)
- Gold-on-gold contacts
- 12 inch standard lead lengths
- Compatible with data bus protocols
- Flexible, color-coded, silver-plated, Teflon® insulated lead wires
- Transfers analog and digital signals

Benefits

- Smooth running
- Low torque
- Compact
- Quick shipment



Typical Applications

- CCTV pan / tilt camera mounts
- Electrical test equipment
- Manufacturing and process control equipment
 - Indexing tables
 - Robotics (end-effectors, arms, vision systems, sensors)
- Exhibit / display equipment
- Medical equipment

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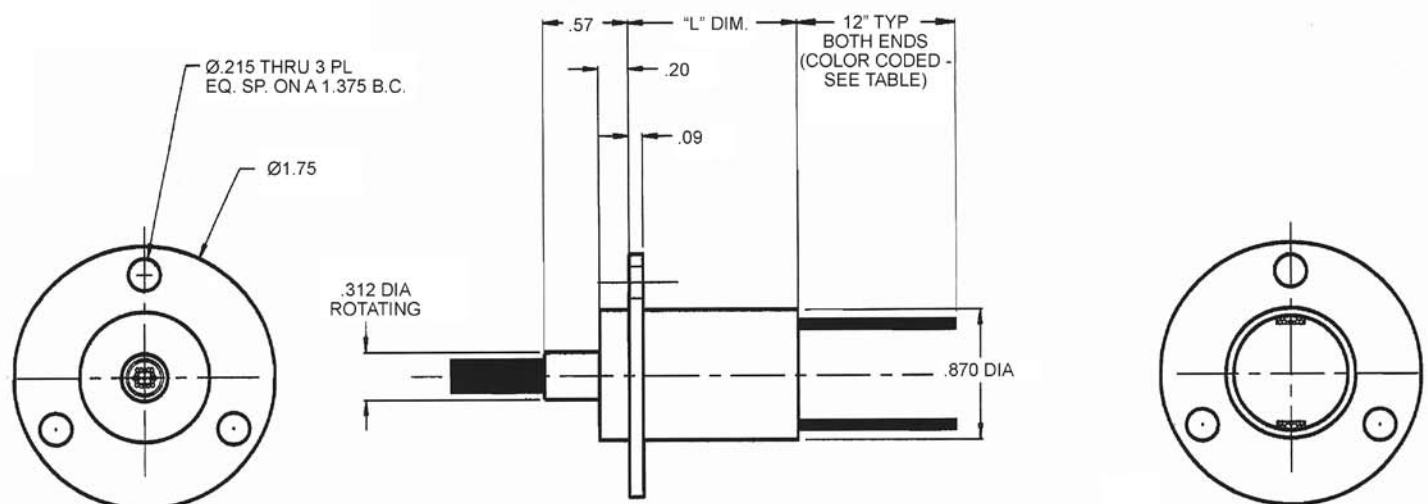
Specifications	
Operating Speed	250 rpm* continuous
Number of Circuits	6, 12, 18, or 24
Lead Lengths	12 inch
Lead Size / Type	#26 AWG Teflon® insulated, stranded cond.
Voltage	210 VDC
Temperature Range	-40°C to +80°C
Contact Material	Gold
Current Rating	2 A, per ring, max.
Dielectric Strength	500 VRMS, all combinations
Insulation Resistance	1000 megohms min. @ 500 VDC
Electrical Noise	60 milliohms max. tested @ 6 VDC, 50 milliamps when running @ 5 - 15 rpm

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

Lead Wire Color Code					
Ring#	Color Code	Ring#	Color Code	Ring#	Color Code
1	BLK	9	GRY	17	WHT-BLU
2	BRN	10	WHT	18	WHT-VIO
3	RED	11	WHT-BLK	19	WHT-GRY
4	ORN	12	WHT-BRN	20	WHT-BLK-BRN
5	YEL	13	WHT-RED	21	WHT-BLK-RED
6	GRN	14	WHT-ORN	22	WHT-BLK-ORN
7	BLU	15	WHT-YEL	23	WHT-BLK-YEL
8	VIO	16	WHT-GRN	24	WHT-BLK-GRN

Capsule Length = L	
Part #	Capsule Length (L)
SRA-73526-6	.57
SRA-73528	.76
SRA-73526-18	1.11
SRA-73599	1.24

SRA-73526 / SRA-73528 / SRA-73599 Dimensions



Dimensions in inches