

Slip Ring Capsules (Compact)

SRA-73540

Compact slip ring capsule

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.

This slip ring which we call our “mini”, is our newest design and smallest physical package. It can incorporate up to 12 circuits, each rated at 2 amps. This unit is ideal for use where mounting space is limited and critical, without sacrificing current handling capability.

Features

- 6 and 12 circuit models
- 2 amp, 120 VDC / VAC circuits
- Precision assembly to provide exceptional rotational life
- Speeds up to 250 rpm continuous
- Compact size .44 inch diameter, .44 inch long
- Gold-on-gold contacts
- Mounting flange on housing
- Flexible, color-coded, silver-plated, stranded copper lead wire
- Superior handling of low level control signals

Benefits

- Extremely compact
- Low torque
- Quick shipment
- High bandwidth transfer capability



Typical Applications

- CCTV pan / tilt camera mounts
- Medical equipment
- Robot end effectors
- Miniature cable reels
- Laboratory equipment
- UAV cameras

Slip Ring Capsules (Compact)

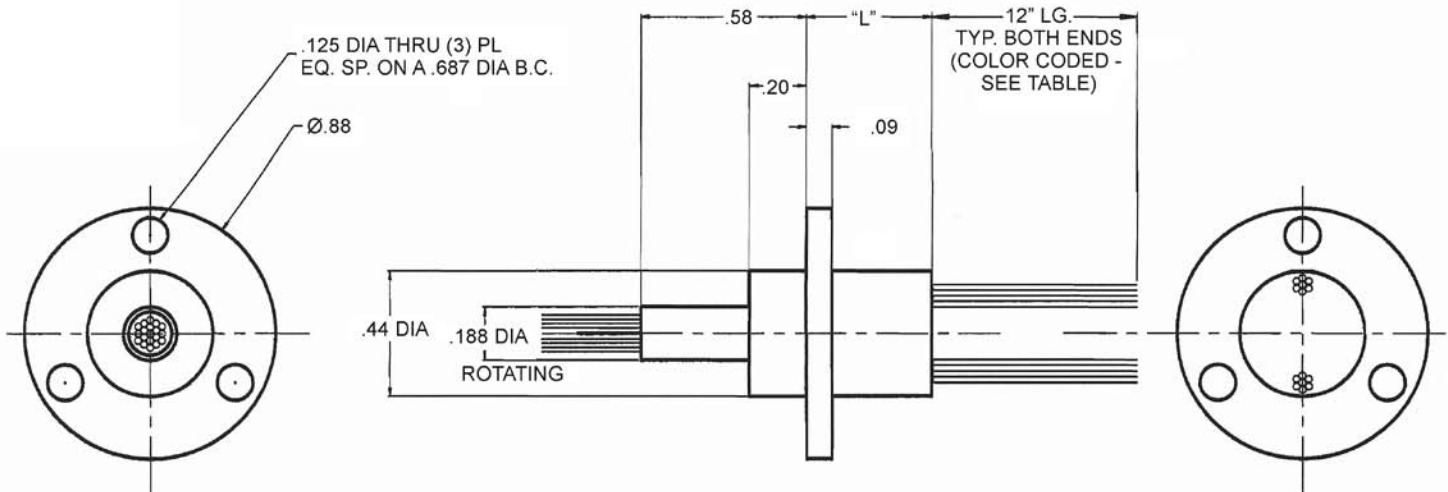
Specifications	
Operating Speed	250
Number of Circuits	6, 12
Lead Lengths	12 inch
Lead Size / Type	#28 AWG, Teflon® insulated, stranded cond.
Voltage	120 VDC
Max. Ambient Temp.	-40°C to +80°C
Contact Material	Gold
Current Rating	2 A per ring, maximum
Dielectric Strength	500 VRMS, all combinations
Insulation Resistance	1000 megohms min. @ 500 VDC
Noise	60 milliohms max. tested @ 6 VDC, 50 milliamps when running @ 5 - 15 rpm

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

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

Part Number	"L" Dimension
SRA-73540-6	.44 inch (11,78 mm)
SRA-73540-12	.44 inch (11,78 mm)

SRA-73540 Dimensions



Dimensions in inches