

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, .64 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

Slip Ring Capsules (Compact)

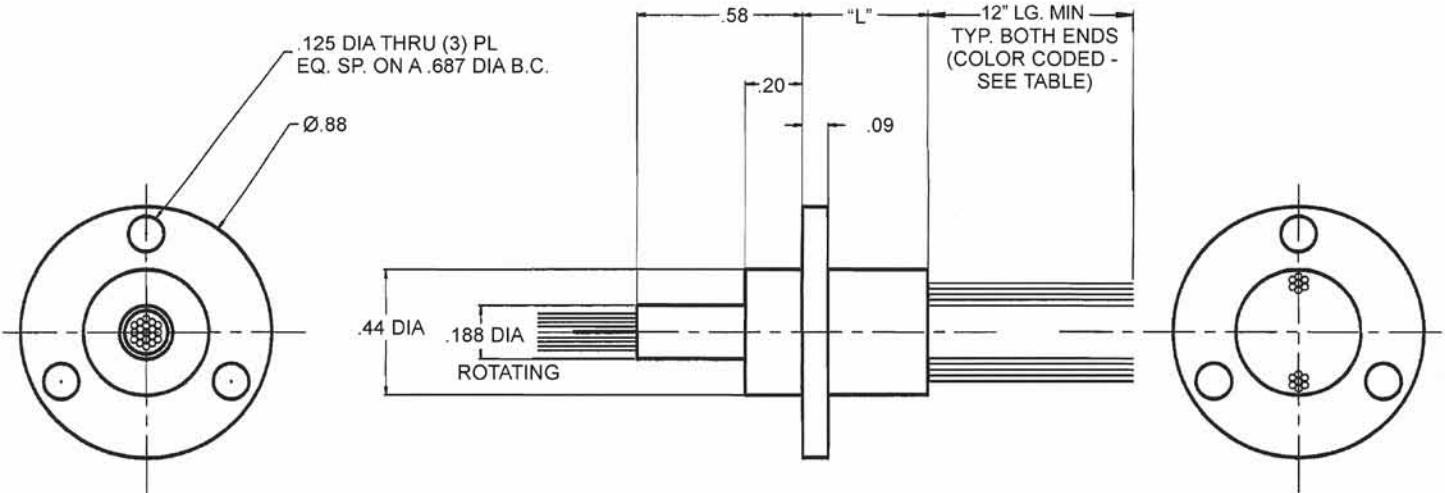
SRA-73540 Specifications	
Operating Speed	250
Number of Circuits	6, 12
Lead Lengths	12, 24, 36 and 48 inches
Lead Size / Type	#28 AWG, Teflon® insulated, stranded cond.
Voltage	120 VDC
Max. Ambient Temp.	-40°C to +80°C
Contact Material	Gold
Current Rating	2 A per ring, maximum
Noise	60 milliohms max. tested @ 6 VDC, 40 milliamps when running @ 5 - 15 rpm

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

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

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

SRA-73540 Dimensions



Dimensions in inches