SRA-73625

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.

The SRA-73625 miniature capsule provides up to 18, 2 amp rated contacts in a small, .44 inch diameter design. Color-coded lead wires are provided on both the rotor and stator to allow simplified electrical connections. Similar in design to our SRA-73540, the SRA-73625 allows tremendous flexibility in dealing with system size restrictions.

Features

- 18 circuit
- 2 amp, 120 VDC / VAC circuits
- Precision assembly to provide exceptional rotational life
- Speeds up to 100 rpm continuous
- Compact size .44 inch diameter
- 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 equipmentp

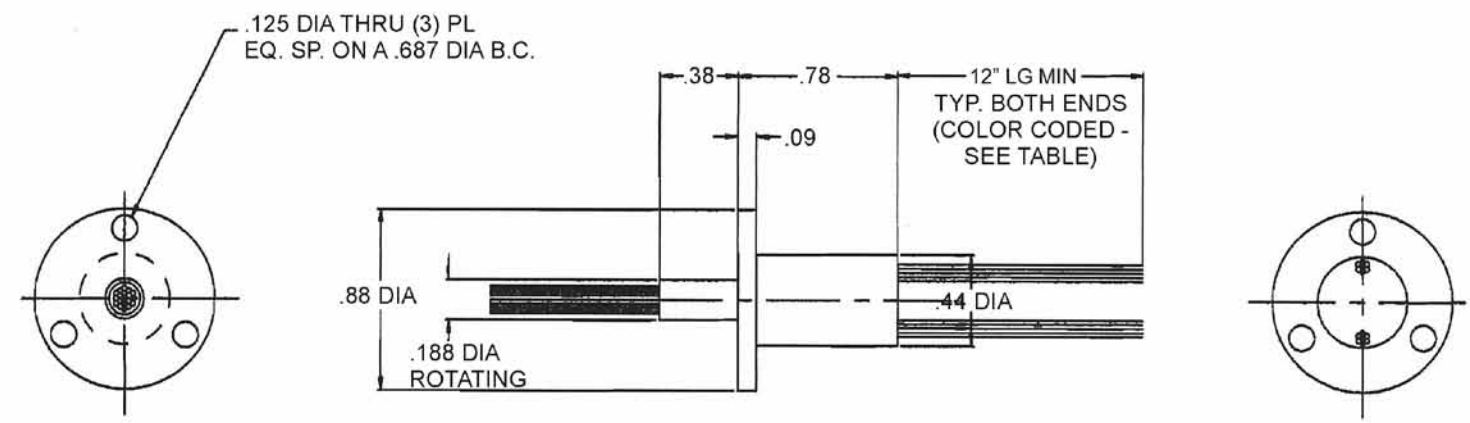
Slip Ring Capsules (Compact)

SRA-73625 Specifications	
Operating Speed	100 rpm*
Number of Circuits	18
Lead Lengths	12, 24, 36 and 48 inches
Lead Size / Type	#28 AWG, Teflon® insulated, stranded cond.
Voltage	120 VDC / VAC
Max. Ambient Temp.	-40°C to +80°C
Contact Material	Gold
Current Rating	2 amps
Noise	60 milliohms max. tested @ 6 VDC, 40 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.*

SRA-73625 Dimensions



Dimensions in inches