

SRA-73574 / SRA-73587

Compact in various circuit configurations

Description

A slip ring capsule can be used in any electromechanical system that requires unrestrained, intermittent, or continuous rotation while transferring power and / or data.

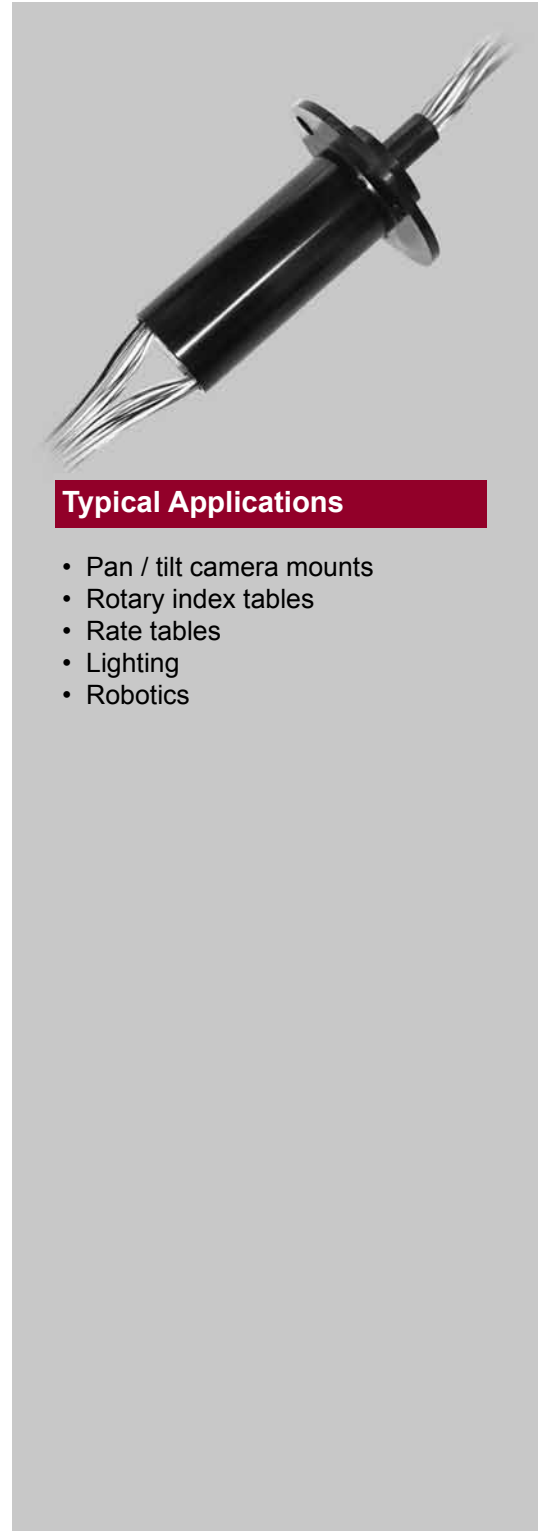
The SRA-73574 / SRA-73587 provides an economical, readily available solution when a compact, high circuit count configuration is required. Our standard units, offer 36, 2 amp, 4, 10 amp and 24, 2 amp signal rings, respectively. These units can be modified to provide various combinations of power, signal and coax circuits. Similar in design to our very popular AC6023, this design features gold-on-gold contact technology for ultimate performance in many challenging applications.

Features

- 2 amp and 10 amp circuit combinations standard
- Precision ball bearing for long life
- Speeds up to 250 rpm
- Compact size
- Transfers analog and digital signals
- Compatible with data bus protocols

Benefits

- Unique signal handling performance with minimal electrical circuit noise
- Tight packaging to fit in the most demanding space constraints
- Low torque to minimize system torque budget
- Rapid delivery



Typical Applications

- Pan / tilt camera mounts
- Rotary index tables
- Rate tables
- Lighting
- Robotics

Slip Ring Capsules (Compact)

| Specifications | SRA-73574 | SRA-73587 |
|------------------------|---|---|
| Operating Speed | 250 rpm* | 250 rpm* |
| Circuit Configurations | 36 circuits @ 2 A., #26 AWG Teflon® insulated, stranded cond. | 4 power 10 A continuous, #18 AWG Teflon® insulated, stranded cond. 24 signal, 2 A, #26 AWG Teflon insulated, stranded cond. |
| Voltage | 240 VAC | 240 VAC |
| Temperature Range | -40°C to +80°C | -40°C to +80°C |
| Contact Material | Gold | Gold |
| Electrical Noise | 60 milliohms max. | 60 milliohms max. |

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

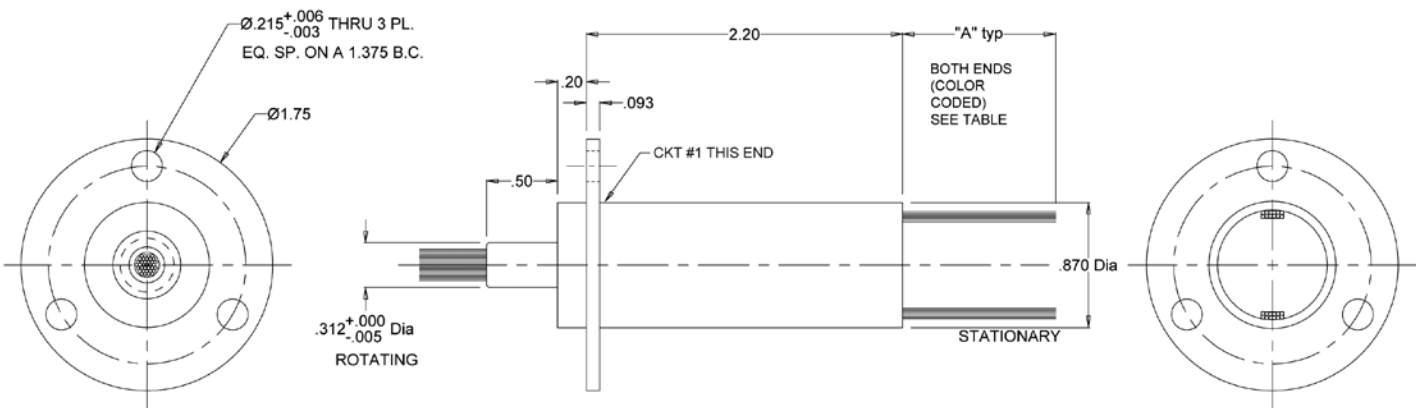
SRA-73574 Lead Wire Color Codes

| Ring # | Color Code | Ring # | Color Code | Ring # | Color Code | Ring # | Color Code |
|--------|------------|--------|------------|--------|-------------|--------|-------------|
| 1 | BLK | 10 | WHT | 19 | WHT-GRY | 28 | WHT-BRN-RED |
| 2 | BRN | 11 | WHT-BLK | 20 | WHT-BLK-BRN | 29 | WHT-BRN-ORN |
| 3 | RED | 12 | WHT-BRN | 21 | WHT-BLK-RED | 30 | WHT-BRN-YEL |
| 4 | ORN | 13 | WHT-RED | 22 | WHT-BLK-ORN | 31 | WHT-BRN-GRN |
| 5 | YEL | 14 | WHT-ORN | 23 | WHT-BLK-YEL | 32 | WHT-BRN-BLU |
| 6 | GRN | 15 | WHT-YEL | 24 | WHT-BLK-GRN | 33 | WHT-BRN-VIO |
| 7 | BLU | 16 | WHT-GRN | 25 | WHT-BLK-BLU | 34 | WHT-BRN-GRY |
| 8 | VIO | 17 | WHT-BLU | 26 | WHT-BLK-VIO | 35 | WHT-RED-ORN |
| 9 | GRY | 18 | WHT-VIO | 27 | WHT-BLK-GRY | 36 | WHT-RED-YEL |

SRA-73587 Lead Wire Color Codes

| Ring # | Color Code |
|--------|----------------------------|
| 1 - 24 | SAME AS SHOWN ON SRA-73574 |
| 25 | WHT (18 AWG) |
| 26 | BRN (18 AWG) |
| 27 | RED (18 AWG) |
| 28 | ORN (18 AWG) |

SRA-73574 / SRA-73587 Dimensions



Dimensions in inches

| Part Number | "A" |
|-------------|-------------------|
| SRA-73574 | 12 in (304.8 mm) |
| SRA-73574-A | 24 in (609.6 mm) |
| SRA-73574-B | 36 in (914.4 mm) |
| SRA-73574-C | 48 in (1219.2 mm) |
| SRA-73587 | 24 in (609.6 mm) |