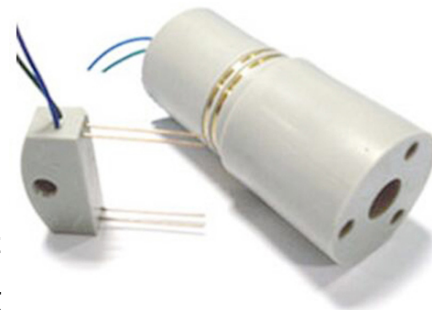


## LPS-02A-Rotor LPS-02B-Stator Separate Slip Ring

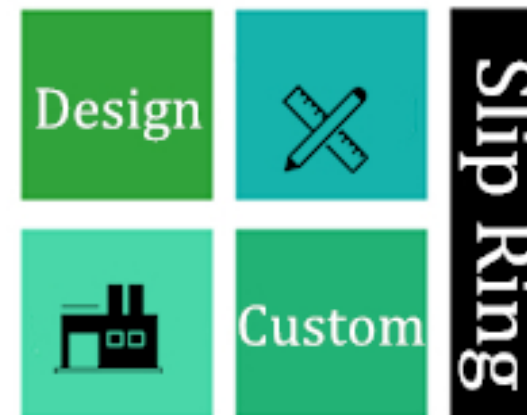
This unit can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotating structure. It is also called a rotary electrical interface, commutator, collector, swivel or an electrical rotary joint.

The LPS-02 separate slip ring is a standard, off-the-shelf unit that uses gold contacts at the rotary interface. Using a 90° V-groove ring design for each ring, the LPS-02A provides smoother running, lower torque and lower electrical noise than competitive slip rings.



- ◆ The operating life of the unit depends upon temperature, rotation speed and environment.
- ◆ The operating life ≥50,000,000 runs ref.

### Features



#### 2 circuits models

- ✓ Speed up to 300 rpm continuous
- ✓ Gold-Gold contacts
- ✓ 250mm standard lead length
- ✓ Sealed units are available
- ✓ Precision ball bearings meet or exceed life requirements for most commercial applications
- ✓

### Specifications

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Speed       | 0-100 rpm                            |
| Number of Circuits    | 2                                    |
| Voltage               | 240 VAC/DC                           |
| Current Rating        | 1-3A                                 |
| Temperature Range     | -20°C to +60°C                       |
| Contact Material      | Gold to Gold                         |
| Lead Size             | 32 # silver plated copper            |
| Lead Length           | Standard 250 mm (9.843inch)          |
| Dielectric Strength   | ≥500 VAC @50Hz, between each circuit |
| Insulation Resistance | 1000 MΩ @ 500 VDC                    |
| Electrical Noise      | 1mΩMin                               |

### Capsule Length

| # of Circuits | OD (mm) | Part No |
|---------------|---------|---------|
| 2             | Φ28     | LPS-02  |



TEMPERATURE RANGE  
-20° C to 60° C



MAXIMUM OPERATING SPEED  
0-300 RPM

### Applications

- ✓ Electrical test equipment
- ✓ Manufacturing and process control equipment
- ✓ Indexing tables / CCTV pan / tilt camera mounts
- ✓ Robotics, rotary sensors, urgent illumination equipment
- ✓ Exhibit / display equipment / Medical equipment
- ✓ Aviation, military, instrument
- ✓ Mini-type wire-rolling machine
- ✓ Custom Machinery / OEM Machinery

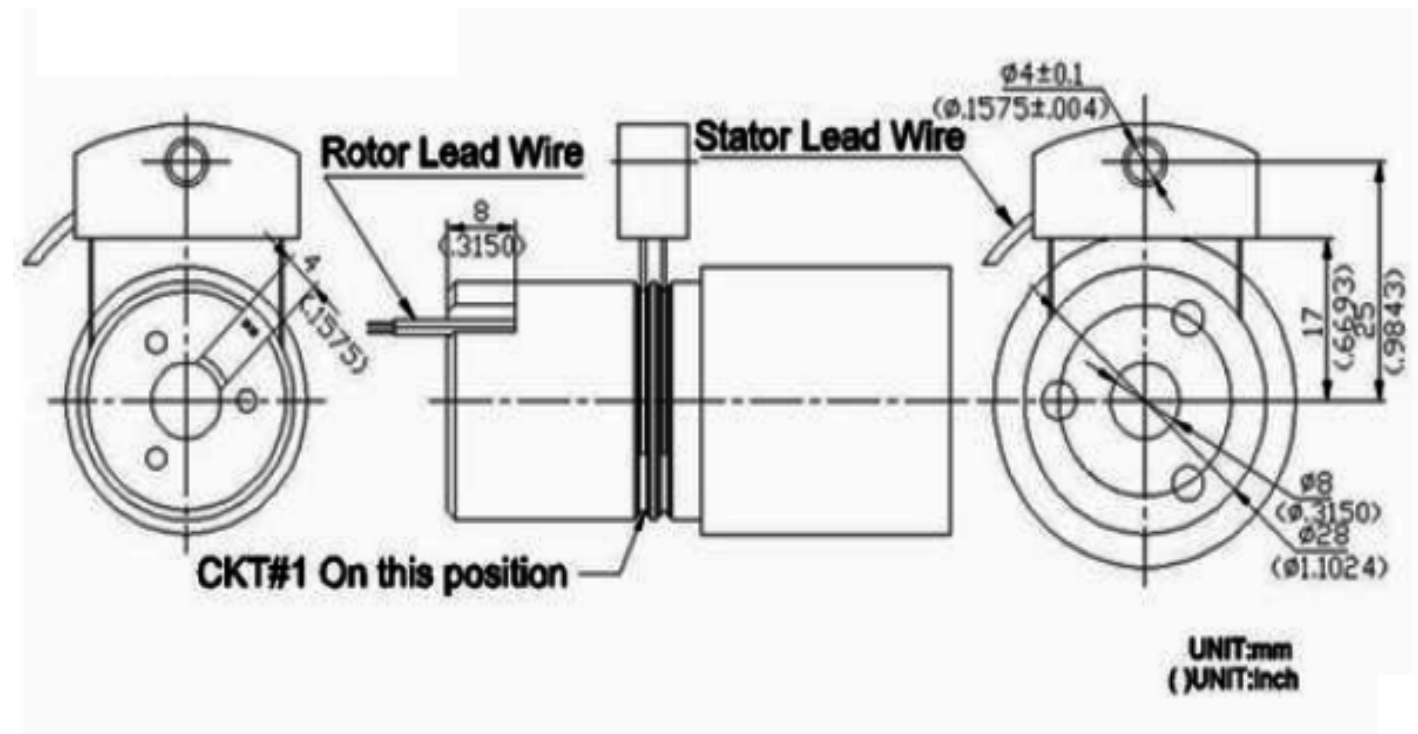


## Advantage



- ✓ Low torque minimizes system torque budget
- ✓ Compact design to fit in the most demanding space
- ✓ Smooth running
- ✓ Low electrical noise
- ✓ Prompt shipment per your urgent requirement
- ✓ 360°continuous rotation
- ✓ Quick shipment per your urgent requirement
- ✓ High bandwidth transfer capability
- ✓ Working Humidity is 60%RH or higher

## Drawings



## MESSAGE

Any questions about slip ring, please leave your message to get a professional solution

### PRODUCT CATEGORY

FORJ  
Capsule slip ring  
Through bore slip ring  
Pancake slip ring  
Mercury slip ring  
Separate slip ring  
Miniature slip ring  
Wind turbine slip ring  
Hydraulic slip ring  
Pneumatic slip ring  
Coaxial rotary joints

### REQUESTS

Circuits  
Current&voltage  
Signal details  
Dimension  
Working speed  
Working temperature  
Operating  
Environment  
Other

### INDUSTRIES

Surveillance  
Crane  
Medical  
Marine  
Defence  
Radar antenna  
Automation  
Meter and instrument  
Wind turbine generator  
VR Device  
Other

### Wire Color Code

| Wire Size                                | Ring # | Color    | Ring # | Color   | Ring # | Color   | Ring # | Color   |
|--|--------|----------|--------|---------|--------|---------|--------|---------|
| AWG28# Silver plated copper<br>Teflon UL | #1     | BLK      | #2     | BRN     | #3     | RED     | #4     | ORG     |
|  | #5     | YEL      | #6     | GRN     | #7     | BLK-BLU | #8     | PUR     |
|  | #9     | GRAY     | #10    | WIT     | #11    | PINK    | #12    | AZURY   |
|  | #13    | WIT/BLK  | #14    | WIT/BRN | #15    | WIT/RED | #16    | WIT/ORG |
|  | #17    | WIT/YET  | #18    | WIT/GRN | #19    | WIT/BLU | #20    | WIT/PUR |
|  | #21    | WIT/GRAY | #22    | CLAR    | #23    | BLK-RED | #24    | BLK/BRN |

Remarks: 1. AWG28# Silver plated copper Teflon UL, 24 different color single wires for a circle

2. #1 from rotor side (The color if the wire can be changed).

Contact us on wire color codes



Send