

## Capsule Slip Ring LPC-36S

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 LPC-36S capsule slip ring is a standard, off-the-shelf unit that uses gold contacts at the rotary interface. Color-coded lead wires are used on both the stator and rotor for simplifying electrical connections. LPC-36S provides smoother running, lower torque and lower electrical noise than competitive slip rings. IP54.



### Specifications

|                     |  |
|---------------------|--|
| Operating Speed     | 0-300 rpm  |
| Number of Circuits  | 36   |
| Voltage             | 240 VAC/DC   |
| Current Rating      | 2A each circuit  |
| Temperature Range   | -20°C to +60°C   |
| Electrical noise    | ≤35mΩ  |
| Protection          | IP5  |
| Contact Material    | Gold to Gold   |
| Lead Wire Size      | AWG30# Teflon UL, coaxial cable, video cable, and Ethernet cable |
| Lead Wire Length    | Rotor: 250mm; Stator: 250mm                                      |
| Dielectric Strength | ≥500 VAC @50Hz, between each circuit                             |
| Housing material    | Aluminum alloy   |
| Working humidity    | 60% or higher  |
| Torque              | ≤0.88 g·m (for reference)  |
| Raw material        | ROHS comply  |

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

### Capsule Length

| # of Circuits | L (mm) | Part No |
|---------------|--------|---------|
| 36            | 58.5   | LPC-36S |

## Features



- ✓ 2 amps per circuit , 240 VAC/VDC
- ✓ Gold-Gold contacts ensure long life time
- ✓ Compatible with data bus protocols
- ✓ Sealed units are available
- ✓ Flexible, color-coded, silver-plated lead wires
- ✓ Transferring analog and digital signals
- ✓ Mounting flange on the housing

## Applications

- ✓ Electrical test equipment
- ✓ Manufacturing and process control equipment
- ✓ Indexing tables and Mini cable reels
- ✓ CCTV pan / tilt camera mounts
- ✓ Robotics, rotary sensors, urgent illumination equipmen
- ✓ Exhibit / display equipment
- ✓ Aviation ,military ,instrument, medical equipment.
- ✓ Min-type wire-rolling machine
- ✓ Closed-circuit control
- ✓ Laboratory equipment





**TEMPERATURE RANGE**  
-20° C to 60° C



**MAXIMUM OPERATING SPEED**  
0-300 RPM

## Advantage



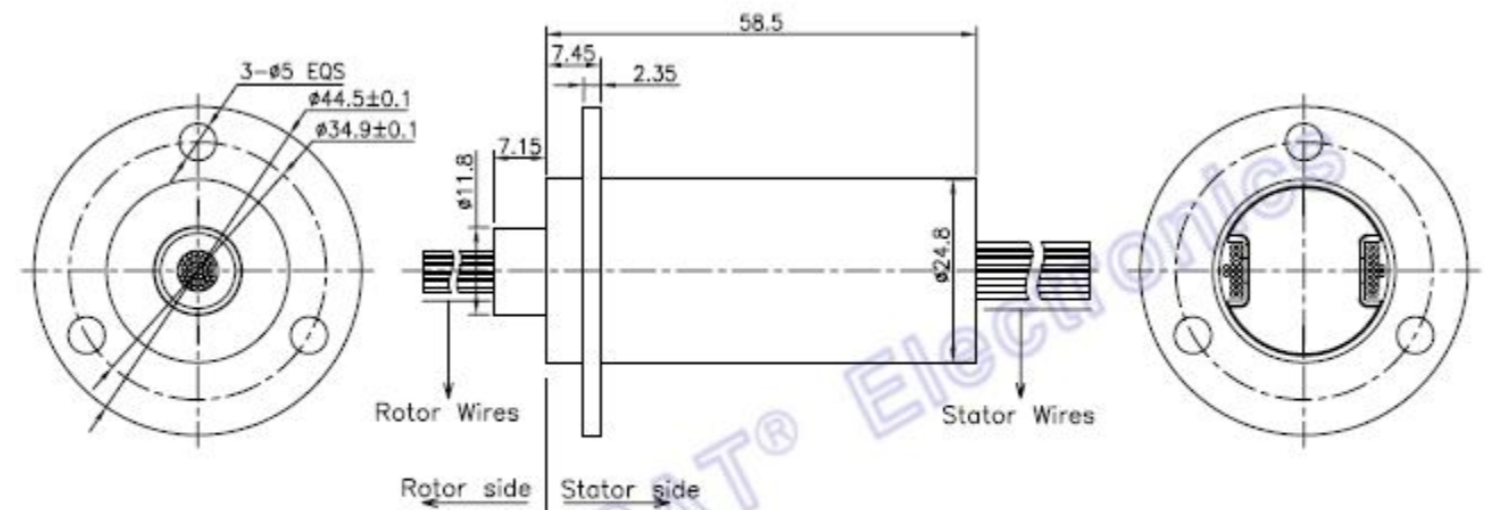
- ✓ Low torque minimizes system torque budget
- ✓ Compact package.
- ✓ Smooth running
- ✓ Low electrical noise
- ✓ Prompt shipment per your urgent requirement
- ✓ 360° continuous rotation
- ✓ High bandwidth transfer capability
- ✓ Addition of special components
- ✓ Working speed would be up to 300rpm or higher
- ✓ Transfer analoge and digital signals

### Wire Color Code

| Wire Size                                | Ring # | Color    | Ring # | Color   | Ring # | Color   | Ring # | Color   |
|--|--------|----------|--------|---------|--------|---------|--------|---------|
| AWG17# 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).

## 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

Contact us on wire color codes



Send