

LPR-2H Series Slip Ring

A slip ring 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, collector, swivel or a commutator. A slip ring can improve system performance by simplifying operations and eliminate damage prone to wires dangling from movable joints.

LPR-2H Series high Current slip ring provides routing space for hydraulics, pneumatics or a concentric shaft mount. The LPR-2H uses advanced fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle, low contact force per fiber and low contact wear rates. In addition, fiber brushes do not require lubrication and produce virtually no wear debris.

Specifications

| | |
|-----------------------|--------------------------------------|
| Operating Speed | 0-300 rpm |
| Number of Circuits | 2 |
| Voltage | 380 VAC/DC |
| Current Rating | 25A per circuit |
| Temperature Range | -20°C to +60°C |
| Contact Material | Precious metal |
| Connecting Way | Silver plated pin |
| Lead Length | Standard 250 mm (9.843inch) |
| Dielectric Strength | ≥500 VAC @50Hz, between each circuit |
| Insulation Resistance | 100 MΩ @ 500 VDC |
| Electrical Noise | 1mΩMin |

Capsule Length

| # of Circuits | L (mm) | Part No |
|---------------|--------|---------|
| 2 | 37 | LPR-2H |

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

Features



- ✓ No mercury, environment-friendly design
- ✓ Pins connector, convenient for installation
- ✓ Speed up to 300 rpm continuous
- ✓ Steel bearings and machined shaft and housing for harsh environment
- ✓ Collar mounting is standard; flange mounting is optional
- ✓ Various lead exits are available
- ✓ Silver plated rings are standard. Gold plated optional
- ✓ Continuous 360° rotation of power or data signals



TEMPERATURE RANGE
-20° C to 60° C



MAXIMUM OPERATING SPEED
0-300 RPM

Applications

- ✓ Packaging / wrapping machinery
- ✓ Semiconductor handling systems
- ✓ Industrial machinery, rotary index tables
- ✓ Process control equipment
- ✓ Exhibit / display equipment
- ✓ Heavy equipment turrets or cable reels
- ✓ Exhibit Display machinery Medical equipment
- ✓ Emergency lighting, robotics Palletizing machines

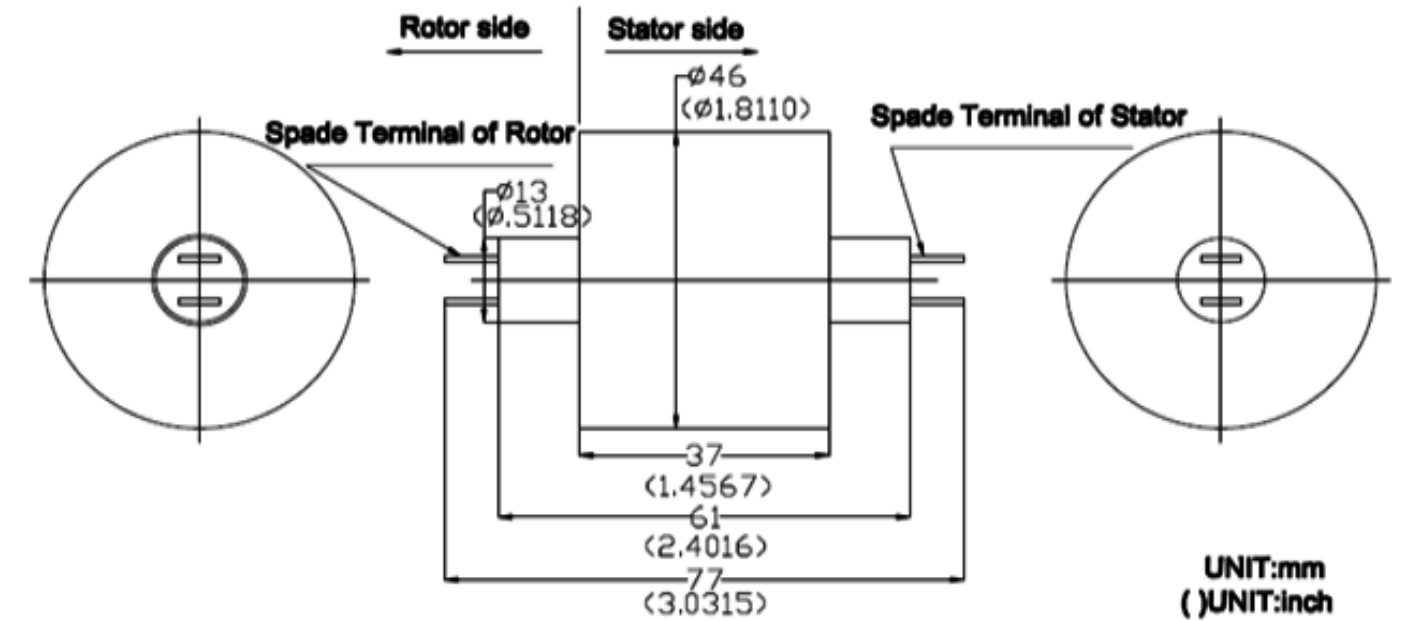


Advantage



- ✓ Fiber brush technology provides maintenance-free operation (no lubrication required)
- ✓ Modular design meets special requirements through off-the-shelf manufacturing techniques
- ✓ Customized configurations for your application
- ✓ Low electrical noise
- ✓ Prompt shipment per your urgent requirement
- ✓ 360°continuous rotation
- ✓ Quick shipment per your urgent requirement
- ✓ Addition of special components

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 |
|--------------------------------|--------|----------|--------|---------|--------|---------|--------|---------|
| Silver plated copper 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. 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