

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

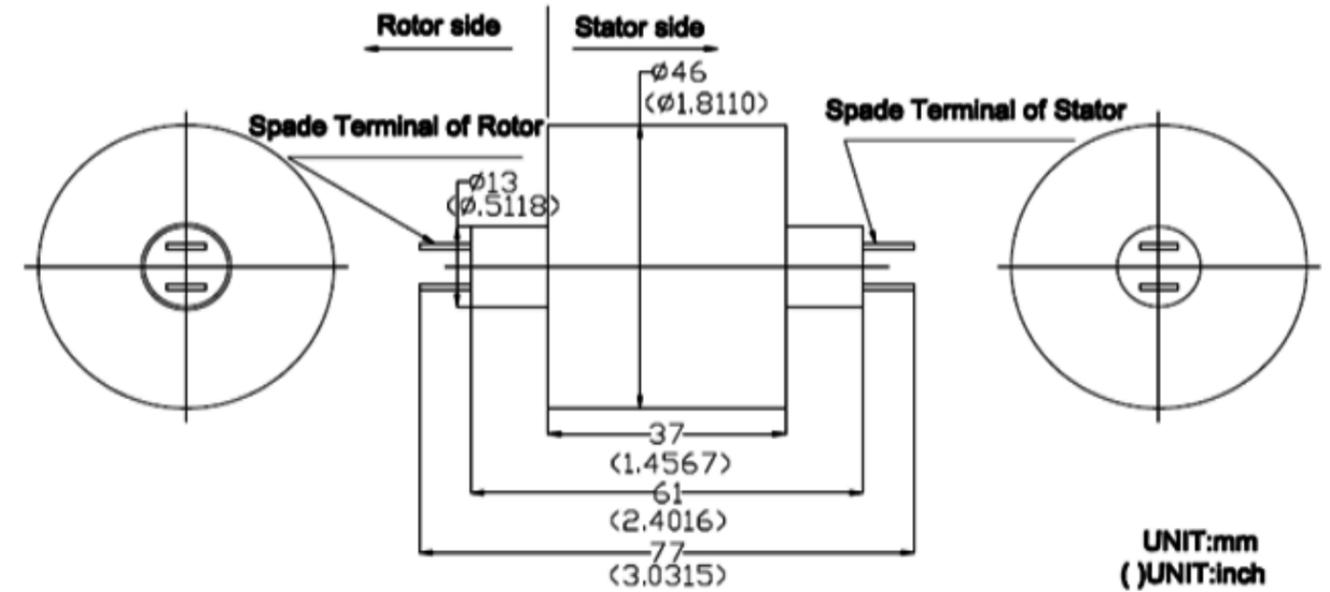


Advantage



- ✓ 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

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

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



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