

## Miniature Slip Ring LPM-30A

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. It's the key apparatus of various precision rotary worktable, electric test instrument, manufacture and process control instrument.

The LPM-30A miniature 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. The LPM-30A allows tremendous flexibility in dealing with system size restrictions. It is available in 6 and 12 circuit configurations.

### Specifications

Operating Speed	0-300 rpm
Number of Circuits	30
Voltage	240 VAC/DC
Current Rating	2 amps per circuit
Temperature Range	-20°C to +60°C
Contact Material	Gold to Gold
Lead Size	30# 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	L (mm)	Part No
30	37	LPM-30A

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

## Features



- ✓ 30 circuits models
- ✓ 2 amps per circuit , 240 VAC/VDC
- ✓ Precision assembly to provide exceptional rotational life
- ✓ Speed up to 300 rpm continuous
- ✓ Gold-Gold contacts
- ✓ Flexible, color-coded, silver-plated lead wires
- ✓ Superior handling of low level control signals
- ✓ Metal housing optional



TEMPERATURE RANGE  
-20° C to 60° C



MAXIMUM OPERATING SPEED  
0-300 RPM

## Applications

- ✓ Electrical test equipment
- ✓ Manufacturing and process control equipment
- ✓ Indexing tables
- ✓ CTV pan / tilt camera mounts
- ✓ Robot, rotary sensors, urgent illumination equipment
- ✓ Exhibit / display equipment
- ✓ Aviation ,military ,instrument, medical equipment.
- ✓ Min-type wire-rolling machine / Closed-circuit control

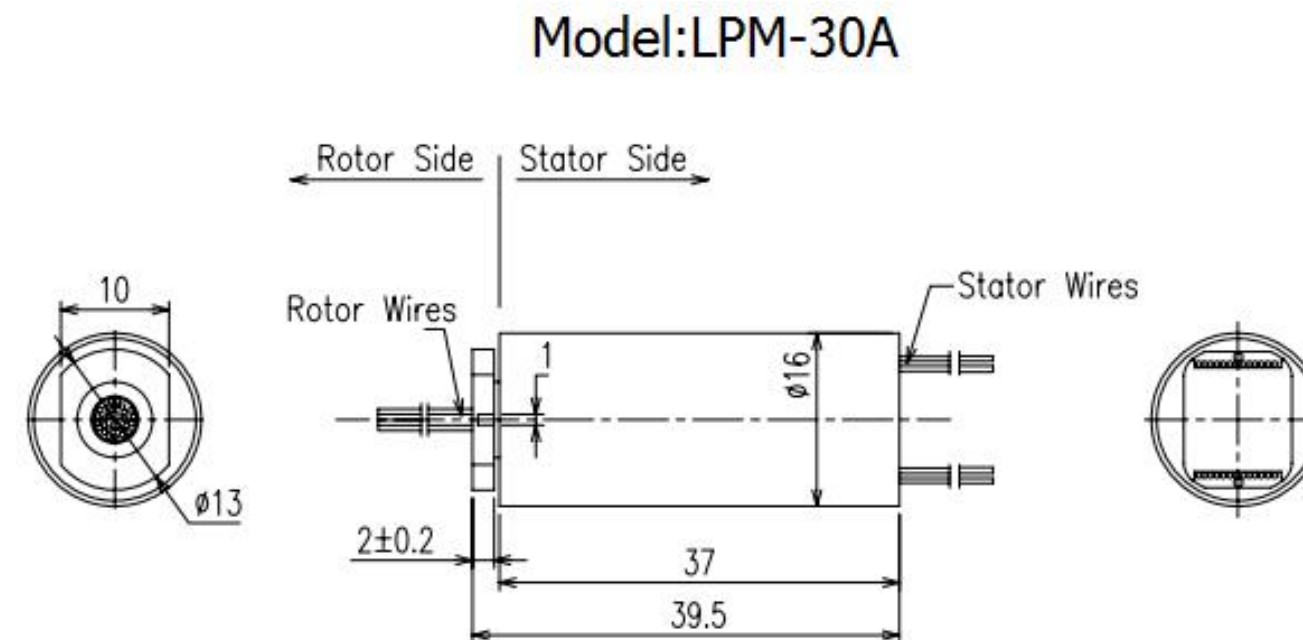


## Advantage



- ✓ Low torque minimizes system torque budget
- ✓ Unique compact design, minimal product size can carry multiple current and control signals
- ✓ Smooth running
- ✓ Low electrical noise
- ✓ Prompt shipment per your urgent requirement
- ✓ 360° continuous rotation
- ✓ Compatible with all kinds of data signal
- ✓ 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
AWG30# 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. 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