

## LPMS-10A Super Miniature 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.

The LPMS-10A super miniature slip ring is a standard, off-the-shelf unit that uses gold contacts at the rotary interface. And the housing material is engineering plastic or metal. Color-coded lead wires are used on both the stator and rotor for simplifying electrical connections. The LPMS-10A allows tremendous flexibility in dealing with system size restrictions. It is available in 1 to 10 circuit configurations.



### Specifications

Operating Speed	0-300 rpm
Number of Circuits	10
Voltage	240 VAC/DC
Current Rating	1amp per circuit
Temperature Range	-20°C to +60°C
Contact Material	Gold to Gold
Wire Size	30# silver plated copper
Wire Length	Standard 250 mm (9.843inch)
Dielectric Strength	≥500 VAC @50Hz, between each circuit
Insulation Resistance	1000 MΩ @ 500 VDC
Electrical Noise	1mΩ Min

### Capsule Length

# of Circuits	L (mm)	Part No
10	14.6	LPMS-10A

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

## Features



- ✓ 10 circuits models
- ✓ 1 amp per circuit, 240 VAC/DC
- ✓ Precision assembly to provide exceptional rotational life
- ✓ Speed up to 300 rpm continuous
- ✓ Gold to Gold contacts
- ✓ Flexible, color-coded, silver-plated lead wires
- ✓ Superior handling of low level control signals
- ✓ Precious metals contacts



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
- ✓ Robotics, rotary sensors, urgent illumination equipmen
- ✓ Exhibit / display equipment
- ✓ Min-type wire-rolling machine
- ✓ Closed-circuit control



## Advantage



- ✓ Low torque minimizes system torque budget
- ✓ Compatible with all kinds of data signals
- ✓ Smooth running, compact design
- ✓ Extremely small and stable electric noise
- ✓ Compact design to fit in the most demanding space
- ✓ 360°continuous rotation
- ✓ High bandwidth transfer capability
- ✓ Addition of special components
- ✓ Compact package
- ✓ Excellent sealing function to meet the requirements of complex working conditions

### Wire Color Code

Wire Size	Ring #	Color	Ring #	Color	Ring #	Color	Ring #	Color
30# Silver Plated Copper	#1	BLK	#2	BRN	#3	RED	#4	ORG
	#5	YEL	#6	GRN	#7	BLK-BLU	#8	PUR
	#9	GRAY	#10	WIT				

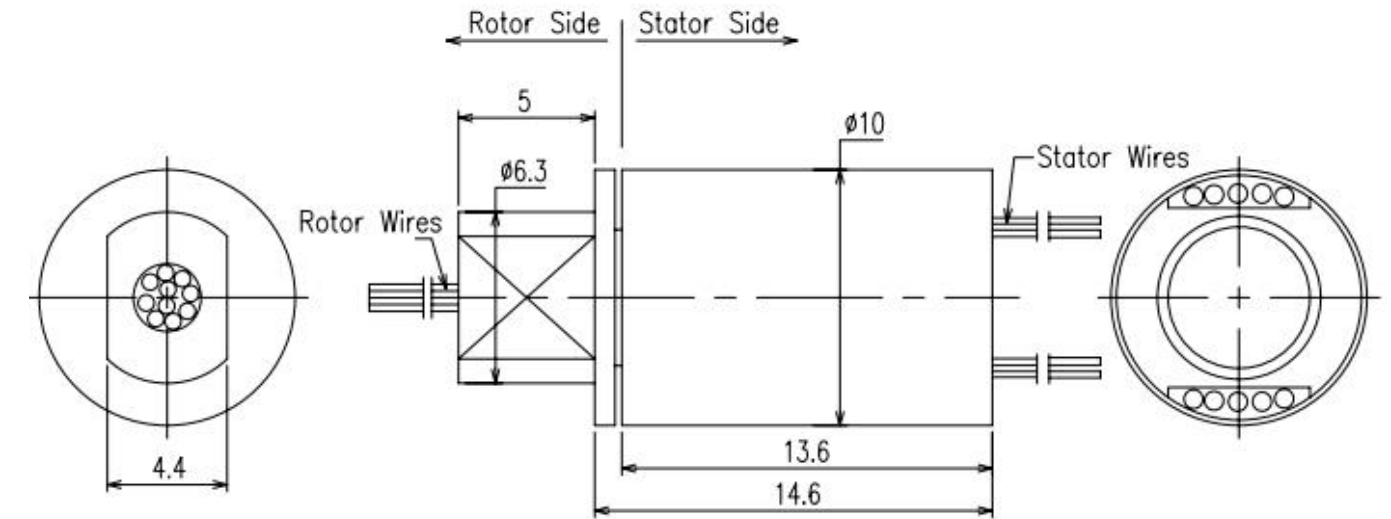
Remarks: 1. AWG30# silver plated copper Teflon UL, 24 different color single wires for a circle

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

Contact us on wire color codes

## Drawings

Model: LPMS-10A



### 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



Send