

# Miniature Capsule Slip Ring



## Main Application

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

**Contact us to discuss your special needs**

## LPM-06G Miniature Slip Ring

### Description

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 can improve electromechanical capability, simplify system design, eliminate possible damage while rotation. It's the key apparatus of various precision rotary worktable, electric test instrument, manufacture and process control instrument.

The LPM-06G 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-06G allows tremendous flexibility in dealing with system size restrictions. It is available in 1 to 6 circuit configurations.

### Features

- ◆ 6 circuits models
- ◆ 2 amps per circuit, 240 VAC/ DC
- ◆ 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

### Advantage

- ◆ Low torque minimize system torque budget
- ◆ Tight packaging to fit in the most demanding space.
- ◆ Smooth running
- ◆ Low electrical noise
- ◆ Quick shipment per your urgent requirement
- ◆ 360°continuous rotation
- ◆ Addition of special components

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## Specifications

Operating Speed	0-300 rpm
Number of Circuits	6
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 M $\Omega$ @ 500 VDC
Electrical Noise	1m $\Omega$ Min

## Capsule Length =L

# of Circuits	L (mm)	Part No
6	18.2	LPM-06G

Contact us on wire color codes

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

