

Capsule Slip Ring with Through Bore



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

Contact us to discuss your special needs

LPC-30T Capsule 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.

The LPC-30T capsule 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.

Using a 90° V-groove ring design for each ring, the LPC-30T provides smoother running, lower torque and lower electrical noise than competitive slip rings.

Features

- ◆ 24 circuits models
- ◆ 7mm through hole size
- ◆ 2 amps per circuit ,240VAC/DC
- ◆ Speed up to 200 rpm continuous
- ◆ Gold-gold contacts
- ◆ Compatible with data bus protocols
- ◆ Sealed units are available
- ◆ Flexible, color-coded, silver-plated, , insulated lead wires
- ◆ Also available with 5 and 10 amps power rings combined with 2 amps rings.
- ◆ Precision ball bearings meet or exceed life requirements for most commercial applications

Advantages

- ◆ Low torque minimize system torque budget
- ◆ Compact design to fit in the most demanding space.
- ◆ Smooth running
- ◆ Low electrical noise
- ◆ Quick shipment as per your urgent requirement
- ◆ 360° continuous rotation
- ◆ High protection

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Specifications

Operating Speed	0-200 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	28# silver plated copper
Lead Length	Standard 250 mm (9.843inch)
Hole Diameter	1.5~7.0mm
Dielectric Strength	≥500 VAC @50Hz, between each circuit
Insulation Resistance	100 MΩ @ 500 VDC
Electrical Noise	1mΩ Min

Capsule Length =L

# of Circuits	L (mm)	Part No
30	62.3	LPC-30T

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.

