

Capsule Slip Ring



LPC-125A 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.

The LPC-125A 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-125 provides smoother running, lower torque and lower electrical noise than competitive slip rings.

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

Features

- ◆ 125 circuits models
- ◆ 2 amps , 240VAC/DC per circuits
- ◆ Gold-Gold contacts
- ◆ Compatible with data bus protocols
- ◆ Sealed units are also available
- ◆ Flexible, color-coded, silver-plated, insulated lead wires
- ◆ Transfers analog and digital signals
- ◆ 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

Advantage

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

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Specifications	
Operating Speed	0-100 rpm
Number of Circuits	125
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)
Dielectric Strength	≥ 500 VAC @50Hz, between each circuit
Insulation Resistance	100 M Ω @ 500 VDC
Electrical Noise	1m Ω Min

Capsule Length =L		
# of Circuits	L (mm)	Part No
125	286	LPC-125A

Contact us on wire color codes

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

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