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

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 Aprovides smoother running, lower torque and lower electrical noise than competitive slip rings.

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	1mΩ Min	

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

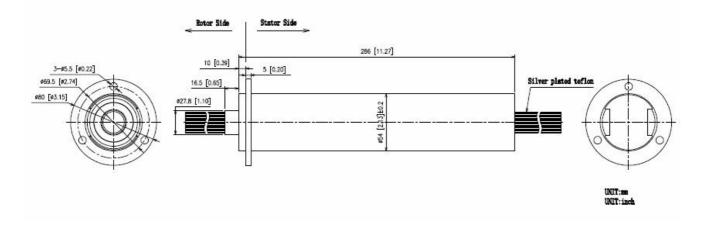
Contact us on wire color codes

◆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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