

LPR Series Slip Ring



Main Application

- ◆ Packaging / wrapping machinery
- ◆ Semiconductor handling systems
- ◆ Industrial machinery
- ◆ rotary index tables
- ◆ Process control equipment
- ◆ Heavy equipment turrets or cable reels
- ◆ Exhibit Display machinery, Medical equipment
- ◆ Emergency lighting, robotics palletizing machines,

Option

- ◆ Placement of custom circuitry directly onto the unit
- ◆ Custom mechanical integration features
- ◆ Addition of special components
- ◆ Inclusion of coax and miniature data bus cables

LPR-8H Series Slip Ring

Description

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotating structure. A slip ring is also called a rotary electrical interface, collector, swivel or a commutator. A slip ring can improve system performance by simplifying operations and eliminating damage-prone wires dangling from movable joints.

LPR-8H Series high Current slip ring provides routing space for hydraulics, pneumatics or a concentric shaft mount. The LPR-8H uses advanced fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle, low contact force per fiber and low contact wear rates. In addition, fiber brushes do not require lubrication and produce virtually no wear debris.

Features

- ◆ No mercury, environment-friendly design
- ◆ Pins connector, convenient for installation
- ◆ Speed up to 300 rpm continuous
- ◆ Steel bearings and machined shaft and housing for harsh environment
- ◆ Collar mounting is standard; flange mounting is optional
- ◆ Various lead exits are available
- ◆ Silver plated rings are standard. Gold plated optional.
- ◆ Continuous 360° rotation of power or data signals
- ◆ Sealed unit

Advantage

- ◆ Fiber brush technology provides maintenance-free operation (no lubrication required)
- ◆ Modular design meets special requirements through off-the-shelf manufacturing techniques
- ◆ Customized configurations for your application

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Specifications

Operating Speed	0-300 rpm
Number of Circuits	8
Voltage	380 VAC/DC
Current Rating	6 Circuits@ 20 A 2 Circuits@ 5 A
Temperature Range	-20°C to +60°C
Contact Material	Precious metal
Connecting Way	Silver plated pin
Housing Material	Engineering plastic
Lead Lengths	Standard 250 mm (9.843inch)
Dielectric Strength	≥1000V@50Hz
Insulation Resistance	500MΩ@ 500VDC
Electrical Noise	≤35mΩ
Humidity	60%RH
IP Class	IP 54

Capsule Length =L

# of Circuits	L (mm)	Part No
8	52	LPR-8H

