

Pan cake Slip Ring



LPKS020-170-0605-1401 Slip Ring with Through Bore 38.1mm

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.

The 20.0mm unobstructed through-bore provides routing space for hydraulics, pneumatics or a concentric shaft mount. The LPK020-170-0605-1401 Pan Cake Slip Ring 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.

Main Application

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

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

Contact us to discuss your special needs

Features

- ◆ Modular design
- ◆ Compact 170mm outside diameter
- ◆ 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

- ◆ Transfers control and data signals
- ◆ 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

