Through Bore Slip Ring



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

LPT025 Series Slip Ring with Through Bore 25.4mm

Description

This unit can be used in any electromechanical system that requires unrestrained, intermittent, or continuous rotation while transferring power or data.

The LPT025 provides an economical, readily available solution when a compact through-bore configuration is required. This unit provides a 25.4mm through-bore for routing hydraulic or pneumatic lines and a compact 86mm outside diameter for minimal space applications. The 15 amps per circuit are available in 6, 12, 18 and 24 ring configurations in 4 housing lengths. Similar in design to our very popular LPT025 series, this design features long life, fiber brush contact technology for ultimate performance in many challenging applications. Fiber brushes do not require lubrication and produce virtually no wear debris, for maintenance free, life time operation.

Features

- ♦ 6, 12, 18 and 24 circuits models
- Precious metal contacts
- 5 amps rings
- Precision ball bearings for long life
- Speed up to 500 rpm continuous
- Compact size
- Sealed units available
- Flying leads
- Fully compatible with both analog and TTL control level signals
- Rugged black anodized aluminum construction

Advantage

- Unique signal handling performance with minimal electrical noise
- Compact design to fit in the most demanding space constraints
- Low torque minimizes system torque budget
- Rapid delivery

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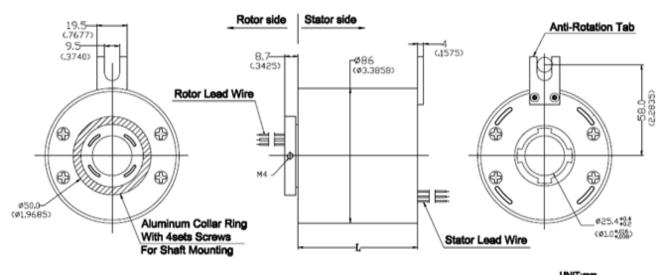
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Through Bore Slip Ring

Specification					
Circuits	1-24 circuits				
Operating Speed	0-500rpm				
Working Temperature	-20 ℃~ +60 ℃				
Working Humidity	60%RH or higher				
Electrical:					
Voltage Rating	380VAC/DC or higher				
Current Rating	2A/5A/10A/15A per circuit				
Dielectric Strength	≥1000V@50Hz between each circuit				
Insulation Resistance	1000MΩ@ 500VDC				
Electrical Noise	1mΩ Min				
Mechanical:					
Contact Material	Precious metal				
Lead Wire Length	Standard 300mm (11.811inch)				
Housing Material	Aluminum alloy				
Torque	≤9.25 g·m (for reference)				
Protection	IP54 or higher				

• The operating life of the unit depends upon temperature, rotation speed and environment.

• The operating life \geq 50,000,000 runs ref.



UNIT:mm ()UNIT:inch

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Through Bore Slip Ring

LThe length of through bore slip ring(mm)							
Part Number	Current/Circuit	6 circuits	12 circuits	18circuits	24 circuits		
LPT025(Inner diameter25.4mm)	5A	43.5	62.7	81.9	101.1		
	10A	47.7	71.7	94.5	117.9		
	15A	52.5	80.7	108.9	137.1		

Contact us on wire color codes