

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 specialist components
- Inclusion of coax and miniature data bus cables

Contact us to discuss your special needs

LPT25 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 and / or data.

The LPT25 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 amp circuits are available in 6, 12, 18 and 24 ring configurations in 4 housing lengths. Similar in design to our very popular LPT25 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 circuit models
- Precious metal contacts
- 10 amp rings
- Precision ball bearings for long life
- Speeds 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

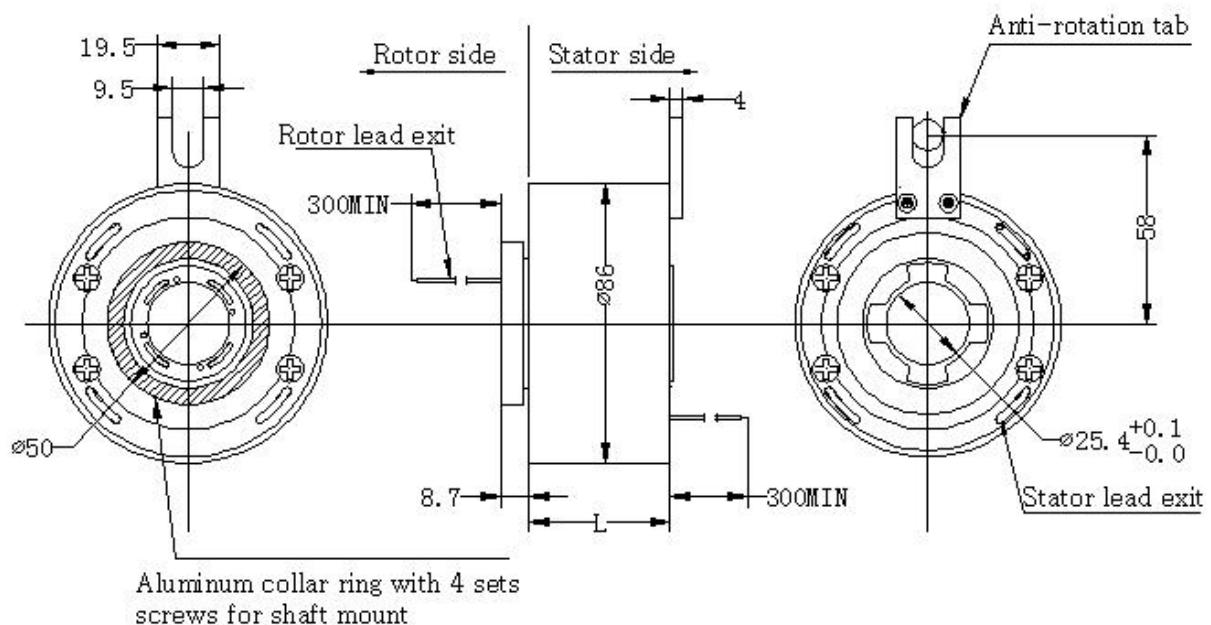
Benefits

- Unique signal handling performance with minimal electrical circuit noise
- Tight packaging to fit in the most demanding space constraints
- Low torque to minimize system torque budget
- Rapid delivery

Specification		Options				
Operating Speed	500 rpm	<ul style="list-style-type: none"> ● Flange for set up ● Longer lead lengths available ● Higher current and voltage available ● Current Rating 2A,10A ,15A or higher ● Signal and Power circuit ● Gold-plated ring 				
Number of Circuits	6,12,18,24(or more)					
Voltage	250 VAC/DC					
Current Rating	2,10,15 amps/per circuit					
Temperature Range	-40℃ to +80℃					
Contact Material	Silver to Silver					
Lead Size	AWG17, UL [®] , Teflon [®]					
Lead Lengths	300 mm minimum	Length = L				
Torque	Approx 50.0 cmg per circuit	Circuits L	6	12	18	24
Through Bore	Φ25.4 mm	L(05A)	42.9	62.1	81.3	100.5
Noise	70mΩ max.. d @ 6 VDC50 mA , (operating at250 rpm)	L(10A)	47.1	69.9	93.9	117.3
		L(15A)	51.9	80.1	108.3	136.5

■ The operational life of the unit is dependent upon rotational speed, environment and temperature

Lead Wire Color Code							
Ring#	Color Code	Ring#	Color Code	Ring#	Color Code	Ring#	Color Code
#1	BLK	#7	BRN	#13	WHT-YEL	#19	BLK-RDE
#2	RED	#8	ORN	#14	WHT-GRN	#20	BLK-YEL
#3	YEL	#9	GRY	#15	WHT-BLK	#21	BLK-GRN
#4	GRN	#10	CLAR	#16	WHT-BRN	#22	BLK-BLU
#5	BLU	#11	WHT-RED	#17	WHT-ORN	#23	BLK-BRN
#6	WHT	#12	WHT-BLU	#18	WHT-GRY	#24	BLK-GRY



UNIT:mm