

Capsule Slip Ring LPC-36S

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-36S 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. LPC-36S provides smoother running, lower torque and lower electrical noise than competitive slip rings.IP54.

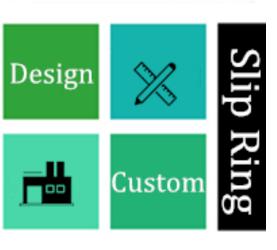


Specifications						
Operating Speed	0-300 rpm					
Number of Circuits	36					
Voltage	240 VAC/DC					
Current Rating	2A each circuit					
Temperature Range	-20°C to +60°C					
Electrical noise	≤35mΩ					
Protection	IP5					
Contact Material	Gold to Gold					
Lead Wire Size	AWG30# Teflon UL, coaxial cable, video cable, and Ethernet cable					
Lead Wire Length	Rotor: 250mm; Stator: 250mm					
Dielectric Strength	≥500 VAC @50Hz, between each circuit					
Housing material	Aluminum alloy					
Working humidity	60% or higher					
Torque	≤0.88 g·m (for reference)					
Raw material	ROHS comply					

- The operating life of the unit depends upon temperature, rotation speed and environment.
- The operating life ≥50,000,000 runs ref.

Capsule Length						
# of Circuits	L (mm)	Part No				
36	58.5	LPC-36S				

Features



- ✓ 2 amps per circuit , 240 VAC/VDC
- **☑** Gold-Gold contacts ensure long life time
- **✓** Compatible with data bus protocols
- Sealed units are available
- Flexible, color-coded, silver-plated lead wires
- ▼ Transferring analog and digital signals
- **✓** Mounting flange on the housing

Applications

- **☑** Electrical test equipment
- **☑** Manufacturing and process control equipment
- ✓ Indexing tables and Mini cable reels
- **✓** CCTV pan / tilt camera mounts
- ▼ Robotics, rotary sensors, urgent illumination equipmen
- Exhibit / display equipment
- **▼** Aviation ,military ,instrument, medical equipment.
- ▼ Min-type wire-rolling machine
- Closed-circuit control
- ✓ Laboratory equipment



sales@slipring.cn





TEMPERATURE RANGE

-20° C to 60° C



MAXIMUM OPERATING SPEED 0-300 RPM

Advantage



- **✓** Low torque minimizes system torque budget
- ✓ Compact package.
- **▼** Smooth running
- **✓** Low electrical noise
- **▼** Prompt shipment per your urgent requirement
- **✓** 360° continuous rotation
- **▼** High bandwidth transfer capability
- **✓** Addition of special components
- **✓** Working speed would be up to 300rpm or higher
- ▼ Transfer analoge and digital signals

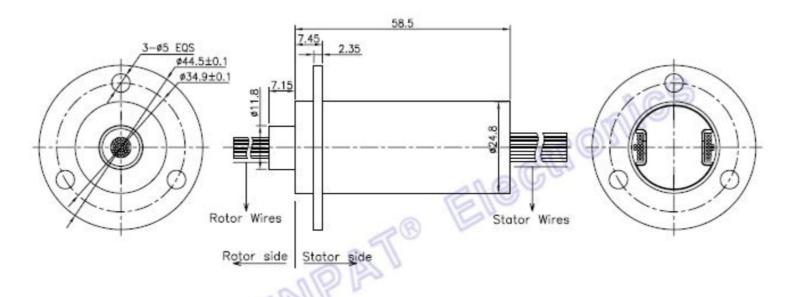
Wre Color Code										
Wire Size	Ring #	Color	Ring#	Color	Ring #	Color	Ring#	Color		
AWG17# silver plated copper Teflon UL	#1	BLK	#2	BRN	#3	RED	#4	ORG		
	#5	YEL	#6	GRN	#7	BLK-BLU	#8	PUR		
	#9	GRAY	#10	WIT	#11	PINK	#12	AZURY		
	#13	WIT/BLK	#14	WIT/BRN	#15	WIT/RED	#16	WIT/ORG		
	#17	WIT/YET	#18	WIT/GRN	#19	WIT/BLU	#20	WIT/PUR		
	#21	WIT/GRAY	#22	CLAR	#23	BLK-RED	#24	BLK/BRN		

Remarks: 1. AWG28# silver plated copper Teflon UL, 24 different color single wires for a circle

2. #1 from rotor side (The color if the wire can be changed).

Contact us on wire color codes

Drawings



MESSAGE

Any questions about slip ring, please leave your message to get a professional solution

PRODUCT CATEGORY

FORJ
Capsule slip ring
Through bore slip ring
Pancake slip ring
Mercury slip ring
Separate slip ring
Miniature slip ring
Wind turbine slip ring
Hydraulic slip ring
Pneumatic slip ring
Coaxial rotary joints

REQUESTS

Circuits
Current&voltage
Signal details
Dimension
Working speed
Working temperature
Operating
Environment
Other

INDUSTRIES

Surveillance

Crane
Medical
Marine
Defence
Radar antenna
Automation
Meter and instrument
Wind turbine generator
VR Device
Other





+1 346-320-9106 sales@slipring.cn