

Capsule Slip Ring LPC 12S

This slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotary structure. It is also called rotary electrical interface, commutator, collector, swivel or electrical rotary joint.

Using a 90° V-groove ring design for each ring, the LPC-12S provides smoother running, lower torque and lower electrical noise than competitive slip rings.



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

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

Specifications

Operating Speed	0-300 rpm
Number of Circuits	12
Voltage	240 VAC/DC
Current Rating	2A each circuit
Temperature Range	-20C to +60C -
Contact Material	Gold to Gold
Lead Size	28# silver plated copper
Lead Length	Standard 250 mm (9.843inch)
Dielectric Strength	≥500 VAC @50Hz, between each circuit
Insulation Resistance	100 MΩ @ 500 VDC
Electrical Noise	≤35mΩ

Capsule Length

# of Circuits	L (mm)	Part No
12	28.6	LPC-12S



TEMPERATURE RANGE
-20° C to 60° C



MAXIMUM OPERATING SPEED
0-300 RPM

Applications

- ✓ Electrical test equipment
- ✓ Manufacturing and process control equipment
- ✓ Indexing tables and Mini cable reels
- ✓ CTV 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

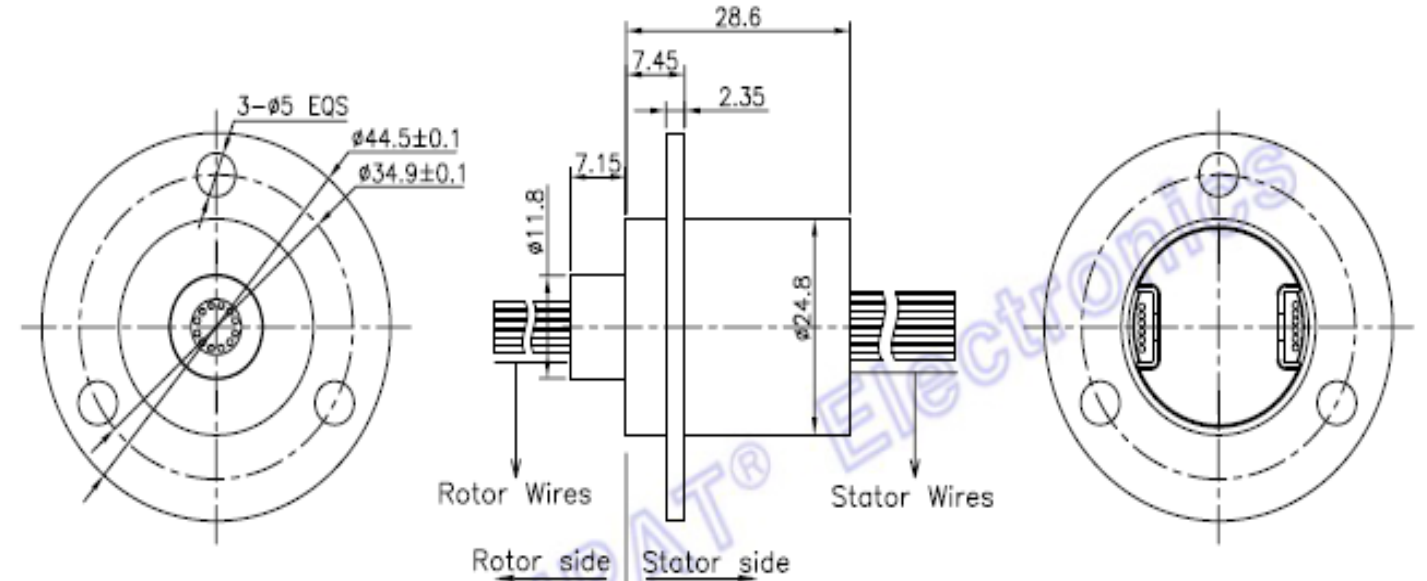


Advantage



- ✓ Low torque minimizes system torque budget
- ✓ Compact design to fit in the most demanding space
- ✓ 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
- ✓ Transfers analog and digital signals

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

Wire Color Code

Wire Size	Ring #	Color	Ring #	Color	Ring #	Color	Ring #	Color
AWG28# 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



Send