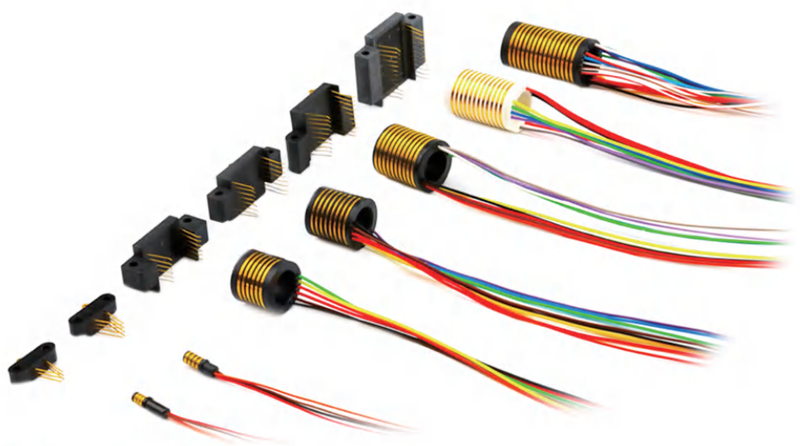
LPS Separate Slip Rings



Electrical & Electronics		Mechanical		Enviromental	
Number of Circuits	1-15 or more	Rotating Speed	0-100rpm or higher	Temperature	Industrial: -20℃~+60℃
Current	1-3A per circuit	Contact Material	Gold-to-gold		Military: -50℃~+80℃
Voltage	0-24VAC/DC			Humidity	60%RH or higher
Dielectric Strength	≥500VAC@50Hz	Wire Type	AWG28#/AWG32# Teflon or others	Others	
Insulation Resistance	≥100MΩ@500VDC			Life Span	Customizable
Dynamic Contact Resistance	1mΩ min.	Wire Length	250mm (optional)		

Brief Introduction

Our separate slip ring consists of a rotor and a brush stator. With a through hole in the rotor, this slip ring model is compatible with hydraulic channel, pneumatic channel and transmission shaft. Because of its separate design, separate slip ring is able to meet harsh requirements demanded by limited space and special installation in the customer's application. Pin contact is alternative for wire contact.

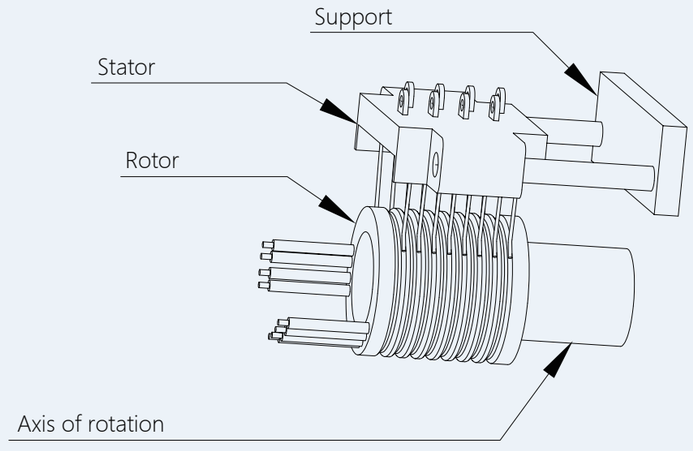
Features:
- Separated stator and rotor/Transmit power and/or signal/ Low contact resistance/Easy to install/Fit in limited space

Options:
- Working Speed/Number of Circuits/Current/Wire Length

Main Applications:
- Instruments, meters and measurement equipment
- Aviation, military and medical instruments
- Aerial camera platform, military/private UAV

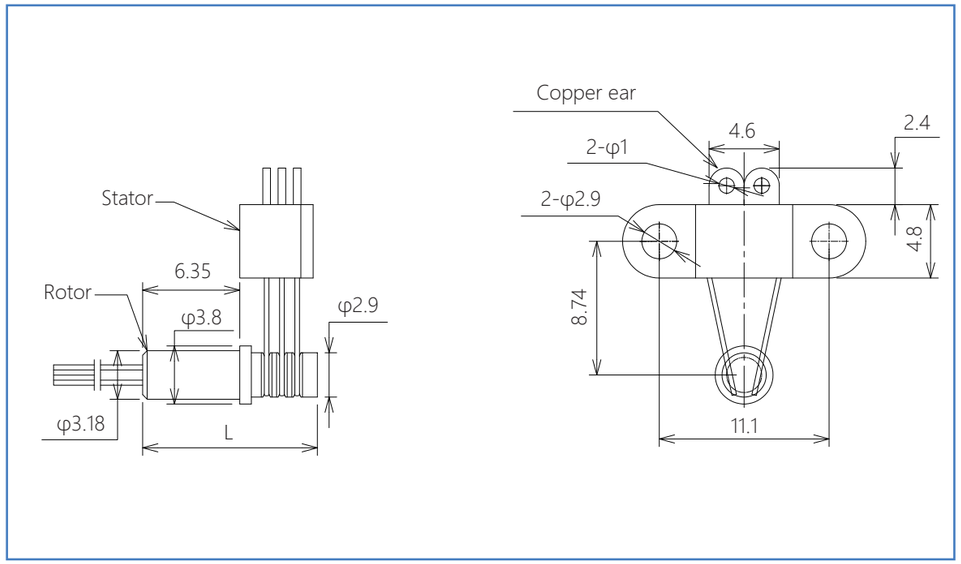
Installation Specifications

1. The slip ring is designed to be mounted in a separate way, in which the rotor and stator is separately fixed.
2. Align the grooves of rings and brush wires and match well in case of deviation from rings after the rotor of the slip ring is fixed on the spindle.
3. The slip ring should be protected from dust and moist. If it is used outdoors, a protection cover should be considered. (Custom slip rings are not included)
4. Protect all wire skins from being damaged during the rotation of the equipment. The end of all wires should not bear weight, withstand force, or be pulled in wires arrangement.
5. Use an exclusive tool while operating wire stripping, and do not damage the wire core.
6. Wield wires to the wire terminals with careful amount of soldering tin in stator wire connection, avoiding electric performance weakening between rings due to excessive soldering tin.

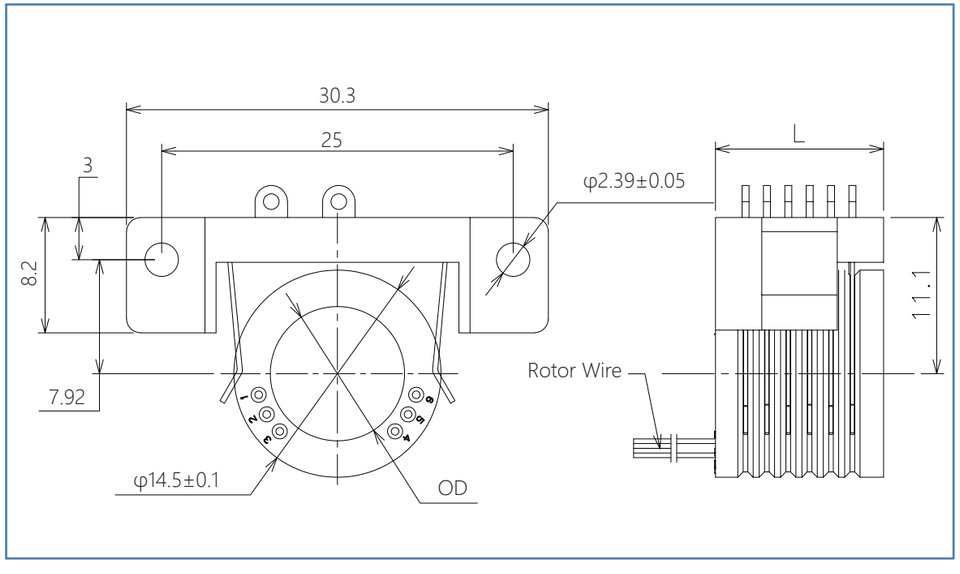


LPS Separate Slip Rings Outline Drawing

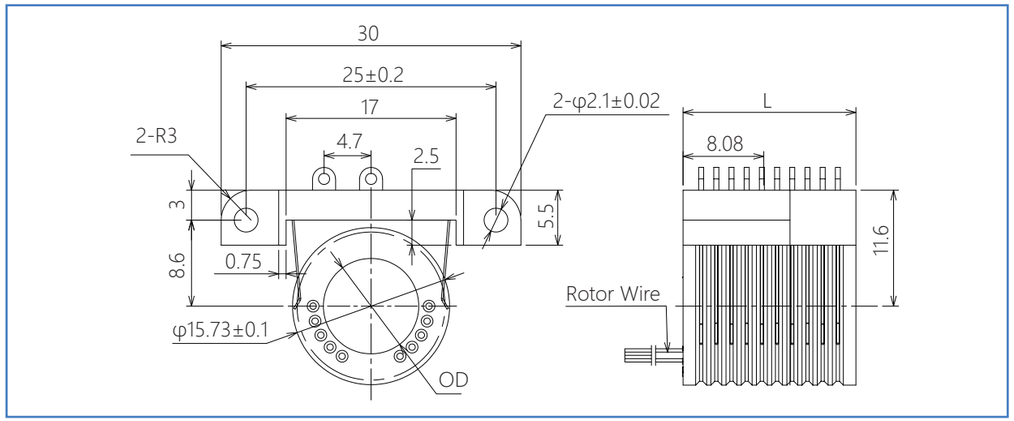
LPS-03



LPS-06



LPS-10



Wire Color Code

Wire Size	Ring	Color	Ring	Color	Ring	Color	Ring	Color
AWG28# Silver-Plated Teflon UL	#1	BLK	#2	BRN	#3	RED	#4	ORN
	#5	YEL	#6	GRN	#7	DK BLU	#8	PPL
	#9	GRY	#10	WHT	#11	PNK	#12	LT BLU

LPS Separate Slip Rings

Model	Number of Circuits	Voltage (AC/DC)	Current (A)	OD*Length (mm)
LPS-03	3	240V	1-3A	φ0x11.43
LPS-04	4	240V	1-3A	φ0x10
LPS-06	6	240V	1-3A	φ9.55x13.2
LPS-08	8	240V	1-3A	φ9.55x15
LPS-10	10	240V	1-3A	φ9.55x17.3
LPS-12	12	240V	1-3A	φ9.55x23
LPS-15	15	240V	1-3A	φ9.55x27.6