

### FHG3899 Series

Slip rings of the FHG3899 series are specially design for IP65~68 water-proof and dust-proof slip ring, Grand applies noble precious metal reduced noises and interference between circuits, low friction torque assures long life-span. FHG3899 series with through hole 38.1mm, OD99mm, suitable for rotating application which requires a through hole  $\leq 38.1\text{mm}$ , Standard model supports 1-24 power rings(0-10A/ring) or 1-48 signal rings(0~5A/ring).

### Features

- ◆ Waterproof slip ring, IP68, can work underwater of 1500M deep ocean, mainly applied to ships and oil wells.
- ◆ Multi-point brush contact material ensure long life
- ◆ Anti-corrosion stainless steel housing for better protection
- ◆ Integrated structure design for easy installation
- ◆ Standard model and customization are available
- ◆ Standard model supports 1-96rings power or signal(0~20A/ring)
- ◆ Free maintenance

### Typical applications

- ◆ Automatic machines
- ◆ Cable reels
- ◆ Robotics, rotary sensors, urgent illumination equipment
- ◆ Exhibit / display equipment
- ◆ Packaging
- ◆ Rotary table
- ◆ Medical,Pharmaceutical equipment
- ◆ Converting machines
- ◆ Capping machines
- ◆ Labeling machines
- ◆ Filling machine
- ◆ Machine tools

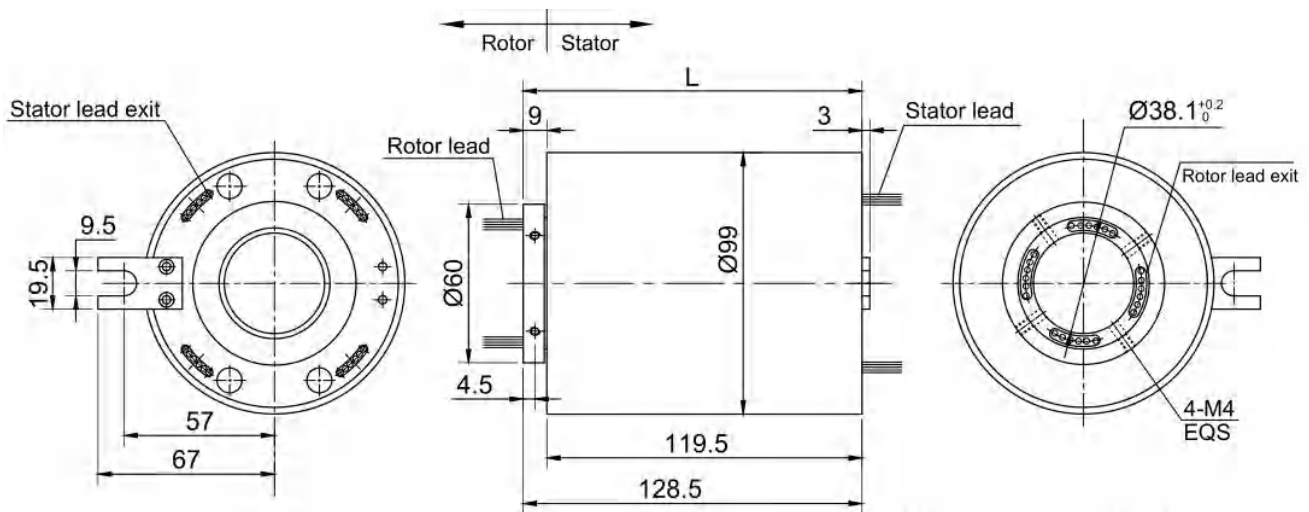
### Options

- ◆ No. of rings
- ◆ Current &voltage
- ◆ Connector
- ◆ Housing material
- ◆ Position of wire outlet, wire length
- ◆ Flange mounting is optional
- ◆ Operating temperature
- ◆ Support mixed high speed data transmission(including Ethernet, USB, Profibus, Ethernet, CANOPEN, CANBUS, RS232, RS485, etc.)
- ◆ Fluidic rotary joints, FORJ and electric slip ring can be mixed.

## Specifications

Electrical Data		Mechanical Data	
No of rings	1~24rings	Inner Diameter	38.1mm
Rated Voltage	0~240 VAC/VDC	Outer Diameter	99mm
Rated Current	5A/ring, 15A/ring	Working Speed	0-250rpm
Lead Size	Sliver plated Teflon colour coded AWG22(5A), AWG16(10A), AWG14(15A)	Working Temperature	-40°C~+80°C
Lead Length	Standard 500mm (adjustable)	Working Humidity	60% RH or higher
Dielectric Strength	500VAC@50HZ,60S	Housing Material	Aluminum alloy
Insulation Resistance	500MΩ/500VDC	Contact material	Precious material
Electrical Noise	<0.01Ω	IP rating	IP65~IP68

## Drawing for Outline Dimension



## Model List

Model	Power Ring(10A/15A)	Signal Ring(5A)	Length (mm)
FHG3899-6P	6	-	84
FHG3899-12S	-	12	84
FHG3899-12P	12	-	108
FHG3899-6P/12S	6	12	108
FHG3899-24S	-	24	108
FHG3899-18P	18	-	132
FHG3899-12P/12S	12	12	132
FHG3899-6P/24S	6	24	132
FHG3899-36S	-	36	132
FHG3899-24P	24	-	156
FHG3899-18P/12S	18	12	156

FHG3899-12P/24S	12	24	156
FHG3899-6P/36S	6	36	156
FHG3899-48S	-	48	156