

HG3899 Series

HG3899 series with through hole 38.1mm, OD 99mm, suitable for rotating application which requires a through hole $\leq 38.1\text{mm}$, Standard model supports 1-48 rings to meet different signal (Analog, RS232/RS485, Inter bus, Device Net, CC-Link, SERCOS interface, Control Net, Field buses, Can open, Profibus, Mod bus, Fipio, USB 2.0 High speed, Fast Ethernet, Certified to 1000-BaseT) transmission.

Features

- ◆ Multi-point brush contact material ensure long life
- ◆ Integrated structure design for easy installation
- ◆ Standard model and customization are available
- ◆ IP 51 (IP54-IP68 can be customized)
- ◆ With RJ45 male connectors, RJ45 female optional
- ◆ With advantages of reliable transmitting, no packet loss, no string code, low return loss, low insertion loss, etc.
- ◆ Free maintenance

Typical application

- ◆ 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

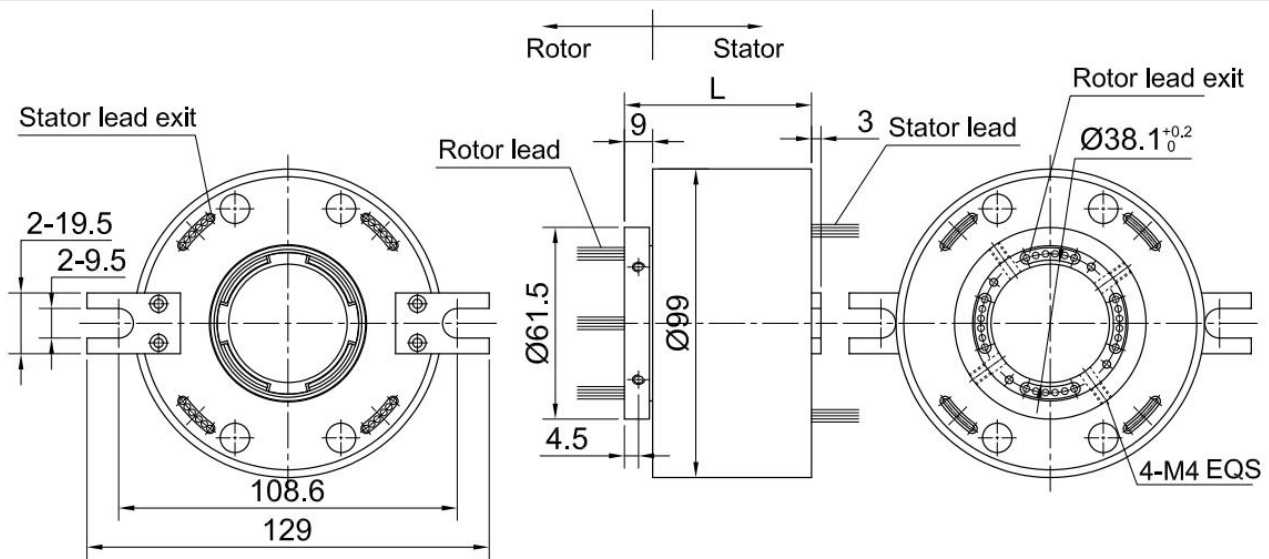
Options

- ◆ Optional for underwater IP65, IP68 Operation speed, current & voltage
- ◆ No. of rings
- ◆ Connector
- ◆ Housing material
- ◆ Position of wire outlet, wire length
- ◆ Protection level (dust and water)
- ◆ 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

No of rings	1~48 rings	Inner Diameter	38.1mm
Rated Voltage	0~380 VAC/VDC	Outer Diameter	99mm
Rated Current	1A~15A/ring	Working Speed	0-250rpm
Lead Size	Sliver plated Teflon colour coded	Working Temperature	-20°C~+80°C
Lead Length	Standard 500mm (adjustable)	Working Humidity	60% RH or higher
Dielectric Strength	500VAC@50HZ,60S	Housing Material	Engineering plastic
Insulation Resistance	500MΩ/500VDC	Contact material	Precious material
Electrical Noise	<0.01Ω	IP rating	IP51~IP68

Drawing for Outline Dimension



Model List

Model	Power Ring(10A/15A)	Signal Ring(5A)	Length L(mm)
HG3899-6P	6	-	55
HG3899-12S	-	12	55
HG3899-12P	12	-	79
HG3899-6P/12S	6	12	79
HG3899-24S	-	24	79
HG3899-18P	18	-	103
HG3899-12P/12S	12	12	103
HG3899-6P/24S	6	24	103
HG3899-36S	-	36	103
HG3899-24P	24	-	127
HG3899-18P/12S	18	12	127
HG3899-12P/24S	12	24	127
HG3899-6P/36S	6	36	127
HG3899-48S	-	48	127