HG3899 Series

HG3899 series with through hole 38.1mm , OD99mm , suitable for rotating application which requires a through hole ≤38.1mm

Standard model supports 1-24 power rings(0-15A/ring) or 1-48 signal rings(0~5A/ring)

Features

◆ Multi-point brush contact material ensure long life

◆ Integrated structure design for easy installation

◆ Standard model supports 1-24 power rings(0-15A/ring) or 1-48 signal rings(0~5A/ring)

◆ IP 51 (IP54-IP68 can be customized)

◆ Both the data bus agreement compatible

◆ 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, IP68Operation 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, Ethercat, CANOPEN, CANBUS, RS232, RS485, etc.)

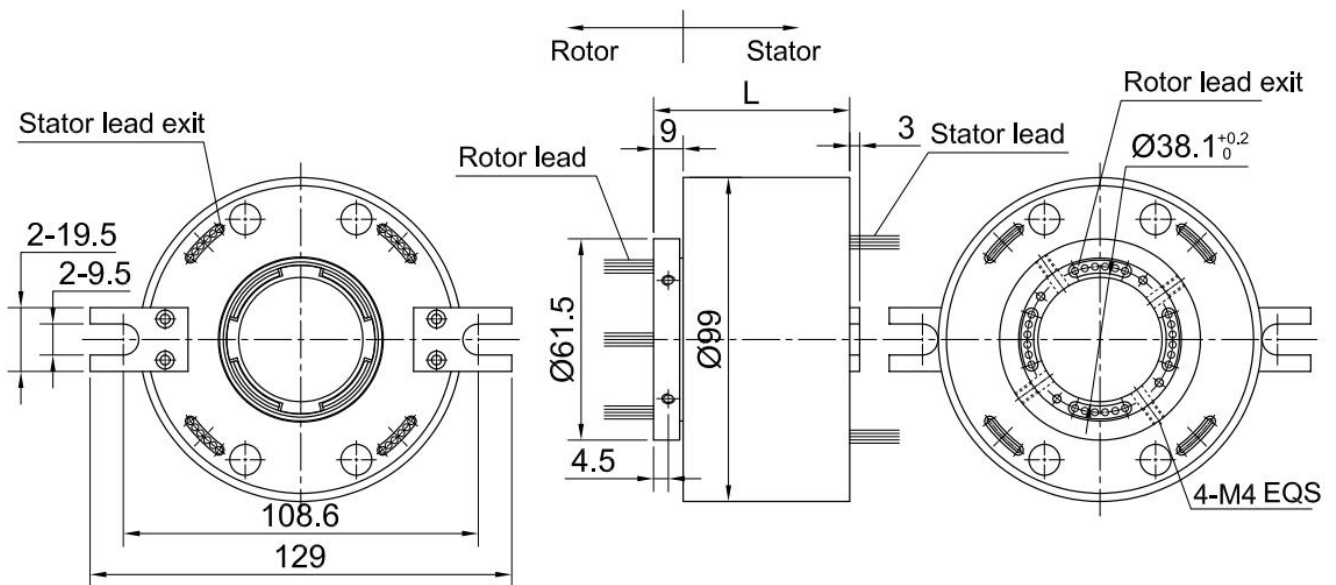◆ Fluidic rotary joints, FORJ and electric slip ring can be mixed.

Specifications

	Electrical Data		Mechanical Data	
	Power	Signal	Max. Speed	0-250 rpm
Rated Current	10A or 15/ring	5A/ring	Working Temperature	-20℃~+80℃
Rated Voltage	0~380VAC/VDC	0~240VAC/VDC	Working Humidity	0-85% RH
Insulation Resistance	≥1000MΩ/500VDC	≥500MΩ/500VDC	Structure Material	Engineering plastic
Dielectric Strength	1000VAC@50Hz,60s	500VAC@50Hz,60s	Contact material	Precious metal
Wire Size	Sliver plated Teflon AWG16(10A)	Sliver plated Teflon AWG22(5A)	Operating Torque	0.1N·m for 6 rings, 0.03 N·m increased for every 6 rings added
Wire Length	Standard 500mm(adjustable)			
Dynamic Resistance	＜0.01Ω		Protection level	IP51

Wires Color Code

Ring#	1	2	3	4	5	6	7	8	9	10	11	12
Color	RED	YEL	BLK	BLU	GRN	WHT	PUP	GRY	BRN	ORN	DBLU	KHK

Drawing for HG3899

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