HG2060 Series

HG2060 series with through hole 20mm , OD60mm , suitable for rotating application which requires a through hole ≤20mm

Standard model supports 1-24 power rings(0-10A/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(0-10A/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.)
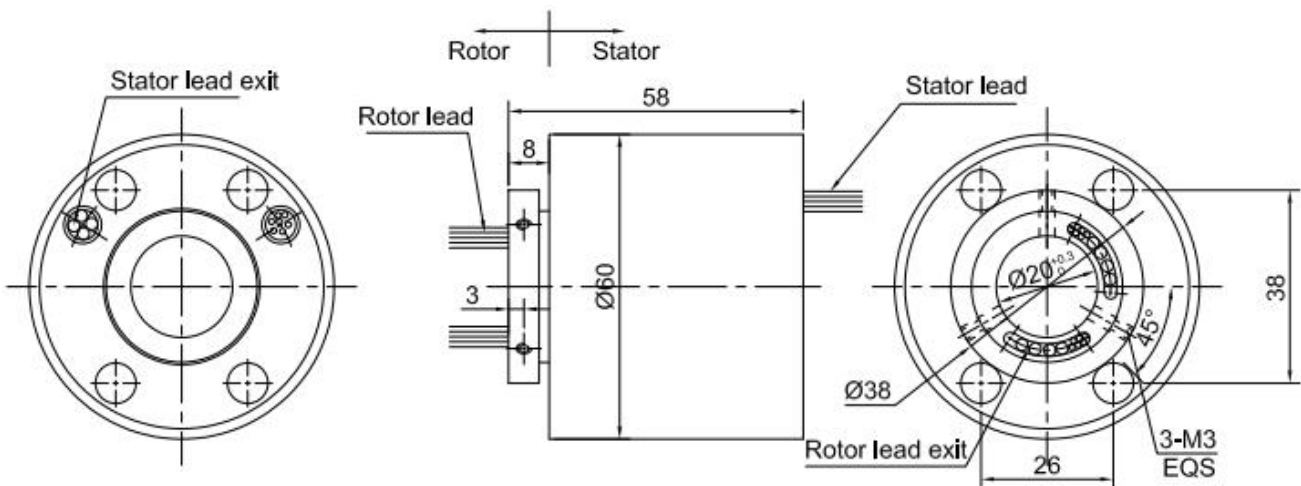◆ Fluidic rotary joints, FORJ and electric slip ring can be mixed.

Specifications

Electrical Data			Mechanical Data	
	Power	Signal	Max. Speed	0-250 rpm
Rated Current	10A/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 HG2060

Model List

Model	Power Ring(10A)	Signal Ring(5A)	Length L(mm)
HG2060-2P/6S	2	6	58
HG2060-2P/8S	2	8	58
HG2060-3P/7S	3	7	58
HG2060-4P/6S	4	6	58