

HG1233 Series

HG1233 series with through hole 12mm , OD33mm , suitable for rotating application which requires a through hole $\leq 12\text{mm}$
Standard model supports 1-12rings signal(0~2A/ring)



Features

- ◆ Multi-point brush contact material ensure long life
- ◆ Integrated structure design for easy installation
- ◆ Standard model supports 1-12rings signal(0~2A/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.

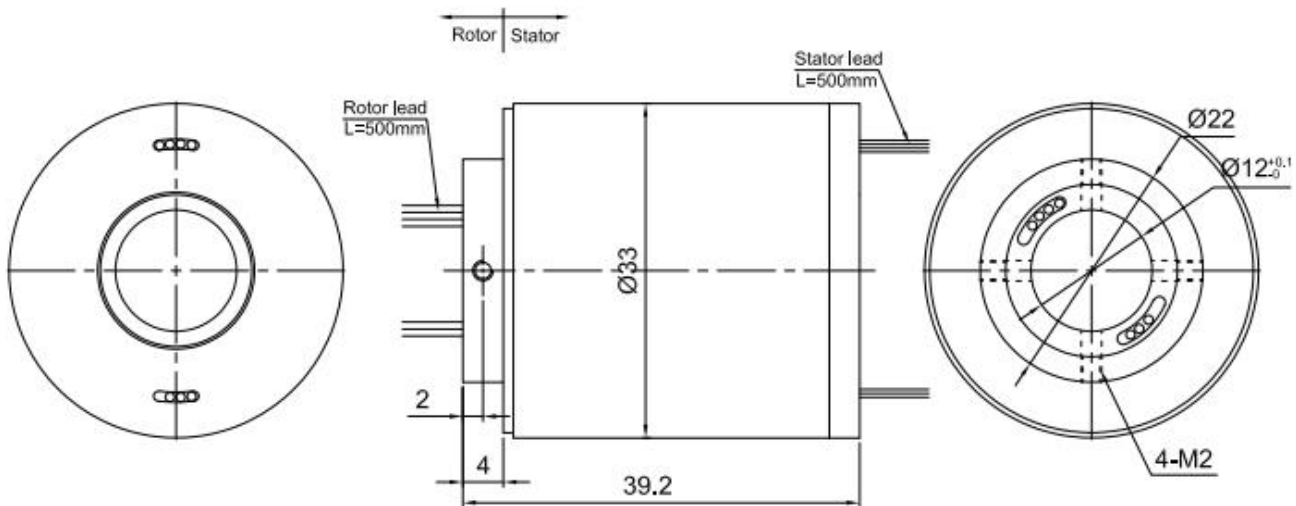
Specifications

Electrical Data			Mechanical Data	
	Power	Signal	Max. Speed	0-250 rpm
Rated Current	--	2A/ring	Working Temperature	-20°C~+80°C
Rated Voltage	--	0~240VAC/VDC	Working Humidity	0-85% RH
Insulation Resistance	≥500MΩ/500VDC	≥500MΩ/500VDC	Structure Material	Engineering plastic
Dielectric Strength	500VAC@50Hz,60s	500VAC@50Hz,60s	Contact material	Precious metal
Wire Size	--	Sliver plated Teflon AWG26(2A),	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 HG1233



Model List

Model	Number of Rings	Rated Current	Rated Voltage	Length L(mm)
HG1233-2	2	2A	0~240V	39.2
HG1233-3	3	2A	0~240V	39.2
HG1233-4	4	2A	0~240V	39.2
HG1233-6	6	2A	0~240V	39.2
HG1233-8	8	2A	0~240V	39.2
HG1233-10	10	2A	0~240V	39.2
HG1233-12	12	2A	0~240V	39.2