

### HG50120 Series

HG50120 series with through hole 50mm, OD 120mm, suitable for rotating application which requires a through hole  $\leq 50$ mm, Standard model supports 1-72 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) 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

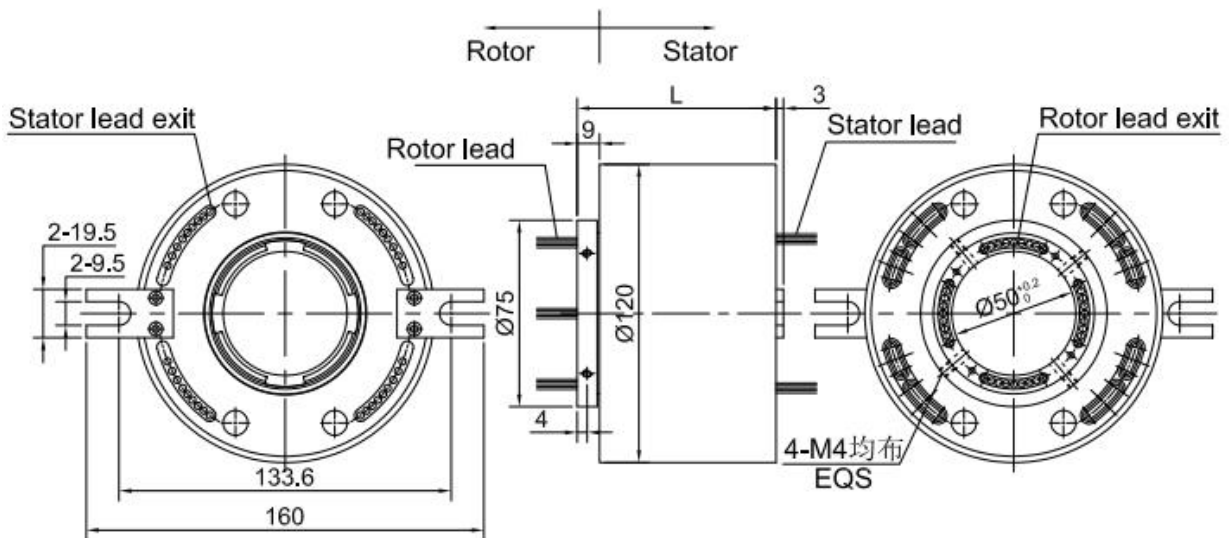
### Options

- ◆ 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	1~72rings	Inner Diameter	50mm
Rated Voltage	0~380 VAC/VDC	Outer Diameter	120mm
Rated Current	1A~20A/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/20A)	Signal Ring(5A)	Length L(mm)
HG50120-6P	6	-	69.5
HG50120-12S	-	12	69.5
HG50120-12P	12	-	99.5
HG50120-6P/12S	6	12	99.5
HG50120-24S	-	24	99.5
HG50120-18P	18	-	129.5
HG50120-12P/12S	12	12	129.5
HG50120-6P/24S	6	24	129.5
HG50120-36S	-	36	129.5
HG50120-24P	24	-	159.5
HG50120-18P/12S	18	12	159.5
HG50120-12P/24S	12	24	159.5
HG50120-6P/36S	6	36	159.5
HG50120-48S	-	48	159.5
HG50120-30P	30	-	189.5
HG50120-24P/12S	24	12	189.5
HG50120-18P/24S	18	24	189.5
HG50120-12P/36S	12	36	189.5
HG50120-6P/48S	6	48	189.5
HG50120-60S	-	60	189.5
HG50120-36P	36	-	219.5
HG50120-30P/12S	30	12	219.5
HG50120-24P/24S	24	24	219.5
HG50120-18P/36S	18	36	219.5
HG50120-12P/48S	12	48	219.5
HG50120-6P/60S	6	60	219.5
HG50120-72S	-	72	219.5