

EHG50120 Series

EHG50120 series with through hole 50mm, OD 120mm, suitable for rotating application which requires a through hole $\leq 50\text{mm}$, Standard model supports 1-18 power rings(0-20A/ring) or 1-72 signal rings(0~5A/ring), combine with 1~3 channels 100M Ethernet signal.



Features

- ◆ Multi-point brush contact material ensure long life
- ◆ Stable transmit 1~2 channels Gigabit Ethernet signal
- ◆ 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
- ◆ Ethernet cable connection
- ◆ 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

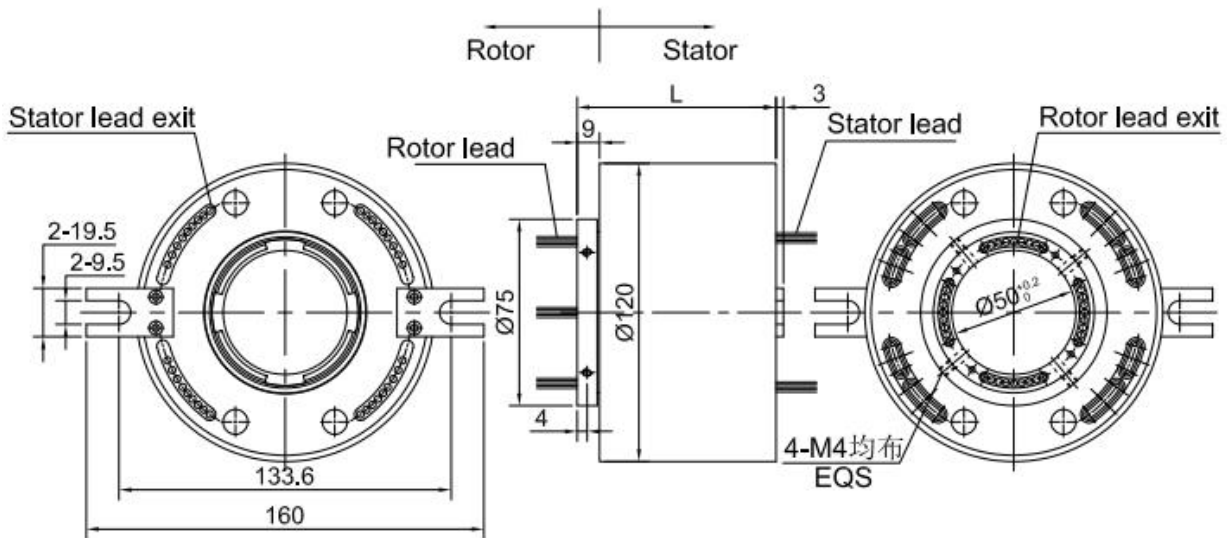
Options

- ◆ 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 100M Ethernet	1~3 channels	Connector	RJ45
Electrical Data		Mechanical Data	
No of rings	1~72rings	Inner Diameter	50mm
Rated Voltage	0~240 VAC/VDC	Outer Diameter	120mm
Rated Current	5A/ring, 10A/ring, 15A/ring,20A/ring	Working Speed	0-250rpm
Lead Size	Sliver plated Teflon colour coded AWG22(5A), AWG16(10A), AWG14(15A/20A)	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 EHG50120



Model List

Model	Power Ring (10A/15A/20A)	Signal Ring (5A)	100M Ethernet	1000M Ethernet	Length (mm)
EHG50120-6-M1	-	-	1	-	69.5
EHG50120-12-M1-6P	6	-	1	-	99.5
EHG50120-12-M1-12S1	-	12	1	-	99.5
EHG50120-12-M2	-	-	2	-	99.5
EHG50120-18-M1-12P	12	-	1	-	129.5
EHG50120-18-M1-6P/12S1	6	12	1	-	129.5
EHG50120-18-M1-24S1	-	24	1	-	129.5
EHG50120-18-M2-6P	6	-	2	-	129.5
EHG50120-18-M2-12S1	-	12	2	-	129.5
EHG50120-18-M3	-	-	3	-	129.5
EHG50120-24-M1-18P	18	-	1	-	159.5
EHG50120-24-M1-12P/12S1	12	12	1	-	159.5
EHG50120-24-M1-6P/24S1	6	24	1	-	159.5
EHG50120-24-M1-36S1	-	36	1	-	159.5
EHG50120-24-M2-12P	12	-	2	-	159.5
EHG50120-24-M2-6P/12S1	6	12	2	-	159.5
EHG50120-24-M2-24S1	-	24	2	-	159.5
EHG50120-24-M3-6P	6	-	3	-	159.5
EHG50120-24-M3-12S1	-	12	3	-	159.5
EHG50120-30-M1-18P	18	-	1	-	189.5
EHG50120-30-M1-12P/12S1	12	12	1	-	189.5
EHG50120-30-M1-6P/24S1	6	24	1	-	189.5
EHG50120-30-M1-72S1	-	72	1	-	189.5
EHG50120-30-M2-12P	12	-	2	-	189.5
EHG50120-30-M2-6P/24S1	6	24	2	-	189.5
EHG50120-30-M2-48S1	-	48	2	-	189.5
EHG50120-30-M3-6P	6	-	3	-	189.5
EHG50120-30-M3-24S1	-	24	3	-	189.5