

### FHG100203 Series

Slip rings of the FHG100203 series are specially design for IP65~68 water-proof and dust-proof slip ring, Grand applies noble precious metal reduced noises and interference between circuits, low friction torque assures long life-span. FHG100203 series with through hole 100mm, OD203mm, suitable for rotating application which requires a through hole  $\leq 60$ mm, Standard model supports 1-48 power rings(0-20A/ring) or 1-96 signal rings(0~5A/ring).

### Features

- ◆ Waterproof slip ring, IP68, can work underwater of 1500M deep ocean, mainly applied to ships and oil wells.
- ◆ Multi-point brush contact material ensure long life
- ◆ Anti-corrosion stainless steel housing for better protection
- ◆ Integrated structure design for easy installation
- ◆ Standard model and customization are available
- ◆ Standard model supports 1-96rings power or signal(0~20A/ring)
- ◆ Free maintenance

### Typical applications

- ◆ 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

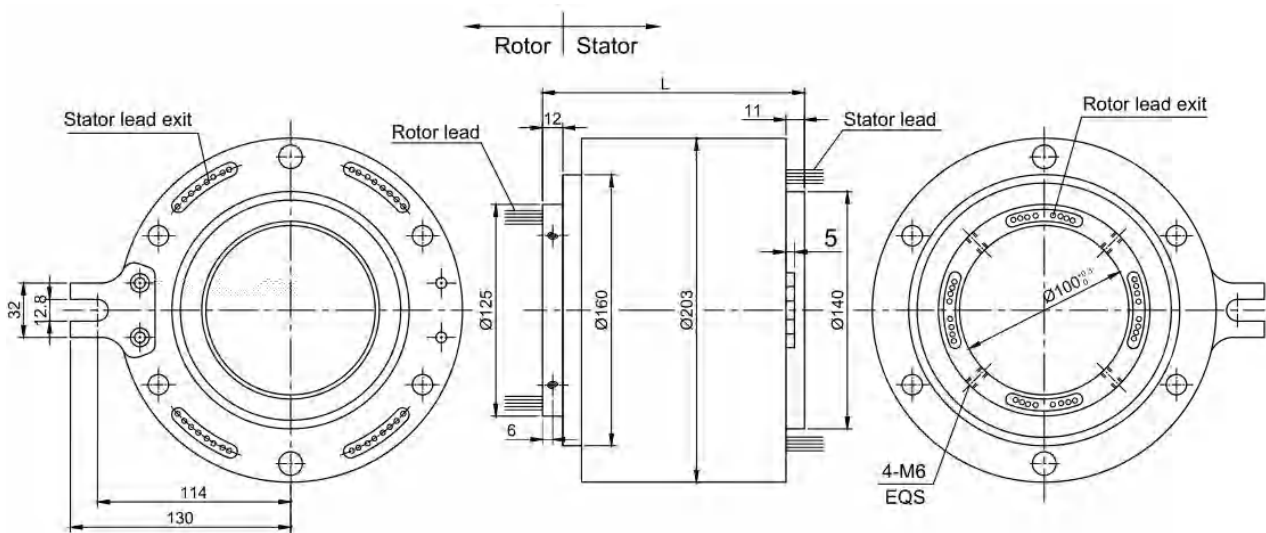
### Options

- ◆ No. of rings
- ◆ Current &voltage
- ◆ Connector
- ◆ Housing material
- ◆ Position of wire outlet, wire length
- ◆ 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

Electrical Data		Mechanical Data	
No of rings	1~72rings	Inner Diameter	100mm
Rated Voltage	0~240 VAC/VDC	Outer Diameter	203mm
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	-40℃~+80℃
Lead Length	Standard 500mm (adjustable)	Working Humidity	60% RH or higher
Dielectric Strength	500VAC@50HZ,60S	Housing Material	Aluminum alloy
Insulation Resistance	500MΩ/500VDC	Contact material	Precious material
Electrical Noise	<0.01Ω	IP rating	IP65~IP68

## Drawing for Outline Dimension



## Model List

Model	Power Ring (10A/15A/20A)	Signal Ring(5A)	Length (mm)
FHG100203-6P	6	-	117
FHG100203-12S	-	12	117
FHG100203-12P	12	-	147
FHG100203-6P/12S	6	12	147
FHG100203-24S	-	24	147
FHG100203-18P	18	-	177
FHG100203-12P/12S	12	12	177
FHG100203-6P/24S	6	24	177

FHG100203-36S	-	36	177
FHG100203-24P	24	-	207
FHG100203-18P/12S	18	12	207
FHG100203-12P/24S	12	24	207
FHG100203-6P/36S	6	36	207
FHG100203-48S	-	48	207
FHG100203-30P	30	-	237
FHG100203-24P/12S	24	12	237
FHG100203-18P/24S	18	24	237
FHG100203-12P/36S	12	36	237
FHG100203-6P/48S	6	48	237
FHG100203-60S	-	60	237
FHG100203-36P	36	-	267
FHG100203-30P/12S	30	12	267
FHG100203-24P/24S	24	24	267
FHG100203-18P/36S	18	36	267
FHG100203-12P/48S	12	48	267
FHG100203-6P/60S	6	60	267
FHG100203-72S	-	72	267
FHG100203-42P	42	-	297
FHG100203-36P/12S	36	12	297
FHG100203-30P/24S	30	24	297
FHG100203-24P/36S	24	36	297
FHG100203-18P/48S	18	48	297
FHG100203-12P/60S	12	60	297
FHG100203-6P/72S	6	72	297
FHG100203-84S	-	84	297
FHG100203-48P	48	-	327
FHG100203-42P/12S	42	12	327
FHG100203-36P/24S	36	24	327
FHG100203-30P/36S	30	36	327
FHG100203-24P/48S	24	48	327
FHG100203-18P/60S	18	60	327
FHG100203-12P/72S	12	72	327
FHG100203-6P/84S	6	84	327
FHG100203-96S	-	96	327