

FHM025 Series

Slip rings of the FHM025 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. FHM025 series with OD 25mm, suitable for rotating application which requires OD \leq 25mm, standard model supports 6 power rings(20A/ring) or 1-82 signal rings(0~2A/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

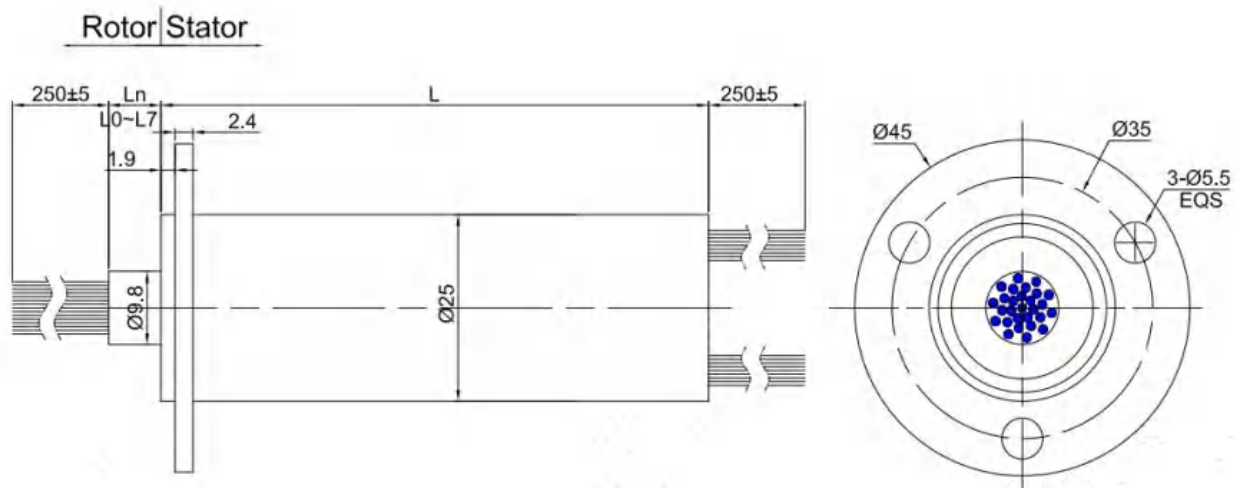
Options

- ◆ 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	
Rated Voltage	0~240 VAC/VDC	Outer Diameter	25mm
Rated Current	2A/ring, 10A/ring, 20A/ring	Working Speed	0-250rpm
Lead Size	Sliver plated Teflon colour coded AWG26(2A), AWG16(10A), AWG14(20A)	Working Temperature	-40°C~+80°C
Lead Length	Standard 250mm (adjustable)	Working Humidity	60% RH or higher
Dielectric Strength	500VAC@50HZ,60S	Housing Material	Aluminium alloy
Insulation Resistance	500MΩ/500VDC	Contact material	Gold to gold(Alloy)
Electrical Noise	< 0.01Ω	IP rating	IP65~IP68

Drawing for Outline Dimension



Standard Model

Model	No. of Rings 2A/ring	No. of Rings 10A/ring	No. of Rings 20A/ring	Rated Voltage	Length (mm)
FHM025-30	30	--		0~240V	59.0
FHM025-30-2P/16S	16	2		0~240V	59.0
FHM025-30-3P/9S	9	3		0~240V	59.0
FHM025-30-4P/2S	2	4		0~240V	59.0
FHM025-30-2P2			2	0~240V	59.0
FHM025-30-2P/18S	18	2		0~240V	59.0
FHM025-30-3P/15S	15	3		0~240V	59.0
FHM025-30-4P/12S	12	4		0~240V	59.0
FHM025-30-5P/8S	8	5		0~240V	59.0
FHM025-30-6P/5S	5	6		0~240V	59.0

FHM025-30-7P/2S	2	7		0~240V	59.0
FHM025-30-8P		8		0~240V	59.0
FHM025-30-2P2/12S	12		2	0~240V	59.0
FHM025-30-3P2/5S	5		3	0~240V	59.0
FHM025-30-4P2			4	0~240V	59.0
FHM025-37B1	37			0~240V	68.5
FHM025-37B1-2P/23S	23	2		0~240V	68.5
FHM025-37B1-3P/16S	16	3		0~240V	68.5
FHM025-37B1-4P/9S	9	4		0~240V	68.5
FHM025-37B1-5P/2S	2	5		0~240V	68.5
FHM025-37B1-2P2/7S	7		2	0~240V	68.5
FHM025-37B1-2P/25S	25	2		0~240V	68.5
FHM025-37B1-3P/21S	21	3		0~240V	68.5
FHM025-37B1-4P/17S	17	4		0~240V	68.5
FHM025-37B1-5P/13S	13	5		0~240V	68.5
FHM025-37B1-6P/10S	10	6		0~240V	68.5
FHM025-37B1-7P/6S	6	7		0~240V	68.5
FHM025-37B1-8P/3S	3	8		0~240V	68.5
FHM025-37B1-2P2/23S	23		2	0~240V	68.5
FHM025-37B1-3P2/19S	19		3	0~240V	68.5
FHM025-37B1-4P2/15S	15		4	0~240V	68.5
FHM025-47	47			0~240V	81.5
FHM025-47-2P/27S	27	2		0~240V	81.5
FHM025-47-3P/23S	23	3		0~240V	81.5
FHM025-47-4P/19S	19	4		0~240V	81.5
HM025-47-5P/12S	12	5		0~240V	81.5
FHM025-47-6P/5S	5	6		0~240V	81.5
FHM025-47-2P2/17S	17		2	0~240V	81.5
FHM025-47-3P2/2S	2		3	0~240V	81.5
FHM025-47-6P2/10S	10		5	0~240V	81.5
FHM025-47-6P2/5S	5		6	0~240V	81.5
FHM025-59	59	--		0~240V	102.5
FHM025-82	82	--		0~240V	102.5