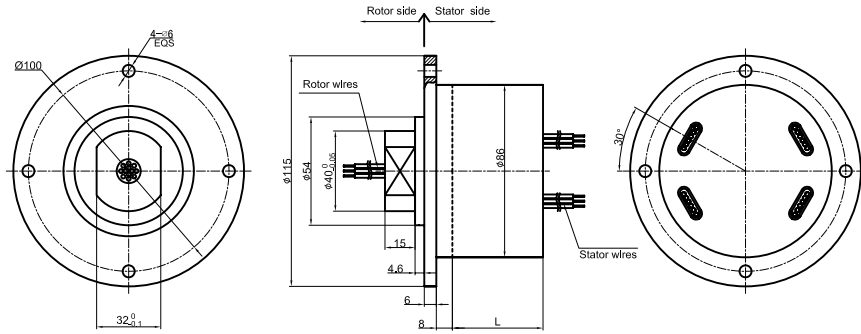
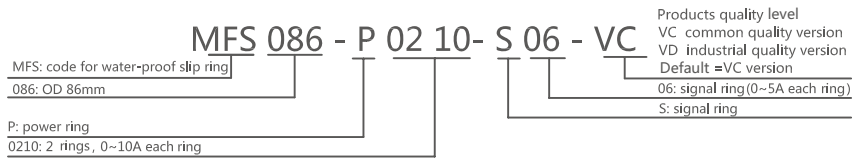


# MFS086 Series Slip Ring

- Designed specifically for underwater operation and waterproof work.
- Industrial grade products;stator flange; IP65,IP68 protection grade.
- Gold-gold contact;adopting imported seals and military grade plating treatment.
- Multi-point contacts;outgoing line uses waterproof gran circle and cable.
- Can be customized on your request.



## Part# Explanation



## Part# List

MFS086-series water-proof/underwater slip ring part list

Part#	Signal or 5A	10A	Length (mm)	Part#	Signal or 5A	10A	Length (mm)
MFS086-P0610	0	6	45.2	MFS086-S06	6	0	45.2
MFS086-P0210-S04	4	2	45.2	MFS086-P0410-S02	2	4	45.2
MFS086-P1210	0	12	65.6	MFS086-S12	12	0	65.6
MFS086-P0210-S10	10	2	65.6	MFS086-P0410-08	8	4	65.6
MFS086-P06-S06	6	6	65.6	MFS086-P0810-S04	4	8	65.6
MFS086-P1010-S02	2	10	65.6	MFS086-S18	18	0	86
MFS086-P1810	0	18	86	MFS086-P0410-S14	14	4	86
MFS086-P0210-S16	16	2	86	MFS086-P0810-S10	10	8	86
MFS086-P0610-S12	12	6	86	MFS086-P1210-S06	6	12	86
MFS086-P1010-S08	8	10	86	MFS086-P1610-S02	2	16	86
MFS086-P1410-S04	4	14	86	MFS086-S24	24	0	106.4
MFS086-P24	0	24	106.4	MFS086-P1210-S12	12	12	106.4
MFS086-P0610-S18	18	6	106.4	MFS086-P0610-S24	24	6	126.8
MFS086-P1810-S06	6	18	106.4	MFS086-S36	36	0	150.2
MFS086-S30	30	0	126.8	MFS086-P1210-S24	24	12	150.2
MFS086-P1210-S18	18	12	126.8	MFS086-P0610-S36	36	6	170.6
MFS086-P0610-S30	30	6	150.2	MFS086-S48	48	0	193.2
MFS086-S42	42	0	170.6	MFS086-P1210-S36	36	12	193.2
MFS086-P1210-S30	30	12	170.6	MFS086-P0610-S54	54	6	234
MFS086-P0610-S42	42	6	193.2	MFS086-S72	72	0	277.8
MFS086-S60	60	0	234	MFS086-P1210-S60	60	12	277.8
MFS086-P1210-S48	48	12	234	MFS086-P0610-S66	66	6	277.8

Note:N channels 10A rings parallel can be used as 1 channel N\*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A

## Specifications

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	Water-proof cable	Water-proof cable
Lead Length	Standard 300mm (adjustable)	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	
Mechanical Data		
Parameter	Value	
Working Life	See product quality level table	
Rotating Speed	See product quality level table	
Working Temperature	-30°C~80°C	
Operating Humidity	0~85% RH	
Contact Material	See product quality level table	
Housing Material	aluminium alloy	
Torque	1.0N.m; +0.03N.m/6 circuits	
Protection Grade	IP65, IP68 on request	

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	200RPM	15 Million Rev	Precious Metal
VD	600RPM	80 Million Rev	Gold-Gold

## Options For Custom Slip Ring

Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- ① Cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
- ⑥ Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
- ⑦ Can combine temperature control signal with thermocouple signal.
- ⑧ Special environment can be customized, such as quakeproof, high temperature, etc.
- ⑨ Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- ⑩ High temperature can up to 500 degrees.
- ⑪ High pressure can up to 110KV
- ⑫ Rotating speed can up to 10000RPM
- ⑬ Maximum current can up to 5000 amperes.
- ⑭ Military grade
- ⑮ Optional for underwater IP65, IP68.
- ⑯ Optional for stainless steel housing

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