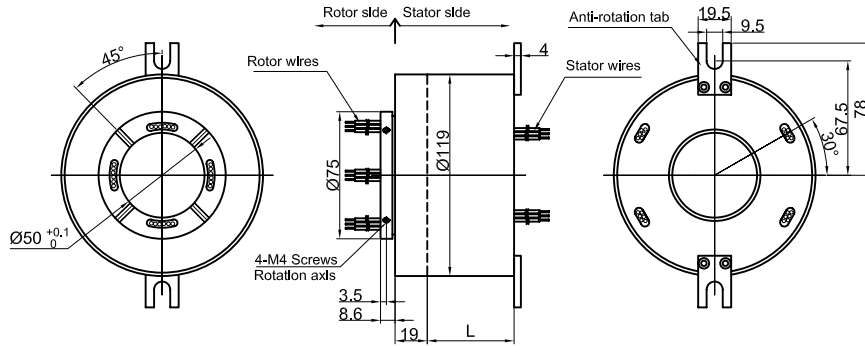
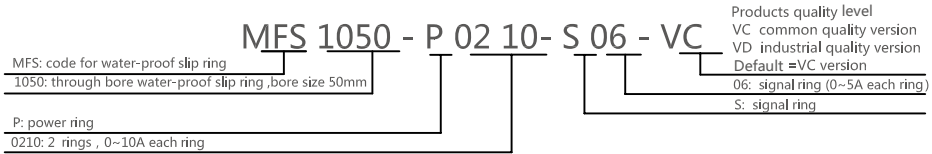


# MFS1050 Series Slip Ring

- Designed specifically for underwater operation and waterproof work.
- Industrial grade products; 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

MFS1050 Series slip ring							
Part#	Signal or 5A	10A	Length (mm)	Part#	Signal or 5A	10A	Length (mm)
MFS1050-P0610	0	6	51.2	MFS1050-S06	6	0	51.2
MFS1050-P0210-S04	4	2	51.2	MFS1050-P0410-S02	2	4	51.2
MFS1050-P1210	0	12	74	MFS1050-S12	12	0	74
MFS1050-P0210-S10	10	2	74	MFS1050-P0410-08	8	4	74
MFS1050-P06-S06	6	6	74	MFS1050-P0810-S04	4	8	74
MFS1050-P1010-S02	2	10	74	MFS1050-S18	18	0	96.8
MFS1050-P1810	0	18	96.8	MFS1050-P0410-S14	14	4	96.8
MFS1050-P0210-S16	16	2	96.8	MFS1050-P0810-S10	10	8	96.8
MFS1050-P0610-S12	12	6	96.8	MFS1050-P1210-S06	6	12	96.8
MFS1050-P1010-S08	8	10	96.8	MFS1050-P1610-S02	2	16	96.8
MFS1050-P1410-S04	4	14	96.8	MFS1050-S24	24	0	119.6
MFS1050-P24	0	24	119.6	MFS1050-P1210-S12	12	12	119.6
MFS1050-P0610-S18	18	6	119.6	MFS1050-P0610-S24	24	6	142.4
MFS1050-P1810-S06	6	18	119.6	MFS1050-S36	36	0	165.2
MFS1050-S30	30	0	142.4	MFS1050-P1210-S24	24	12	165.2
MFS1050-P1210-S18	18	12	142.4	MFS1050-P0610-S36	36	6	192
MFS1050-P0610-S30	30	6	165.2	MFS1050-S48	48	0	214.8
MFS1050-S42	42	0	192	MFS1050-P1210-S36	36	12	214.8
MFS1050-P1210-S30	30	12	192	MFS1050-P0610-S54	54	6	260.4
MFS1050-P0610-S42	42	6	214.8	MFS1050-S72	72	0	310
MFS1050-S60	60	0	260.4	MFS1050-P1210-S60	60	12	310
MFS1050-P1210-S48	48	12	260.4	MFS1050-P0610-S66	66	6	310

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	100RPM	10 Million Rev	Precious Metal
VD	300RPM	30 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 Bore diameter can be customized; 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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