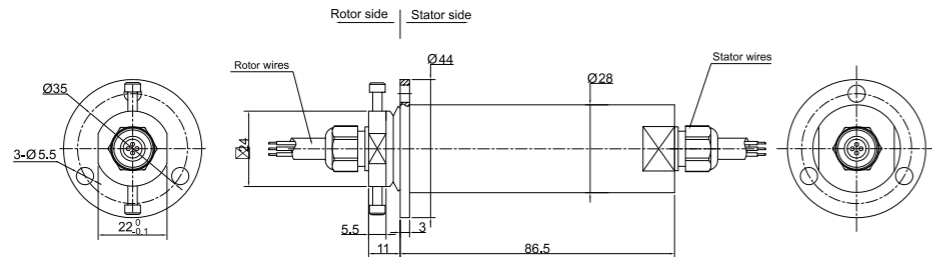


# MFS028 Series

## Water-proof/underwater IP68 Slip Ring

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

Part#	Signal 2A	5A	10A	20A	Length(mm)
MFS028-S06	6	0	0	0	86.5
MFS028-S12	12	0	0	0	86.5
MFS028-S18	18	0	0	0	86.5
MFS028-S24	24	0	0	0	86.5
MFS028-P0320	0	0	0	3	86.5
MFS028-P0205-S16	16	2	0	0	86.5
MFS028-P0210-S12	12	0	2	0	86.5
MFS028-P0310-S08	8	0	3	0	86.5

Note:N channels 5A rings parallel can be used as 1 channel N\*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A

### Specifications

Mechanical Data		Electrical Data		
Parameter	Value	Parameter	Value	
Working Life	See product quality level table	Rated Voltage	Power	Signal
Rotating Speed	See product quality level table		0~220VAC/VDC	0~220VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	≥100MΩ/220VDC	≥100MΩ/220VDC
Operating Humidity	0~85% RH	Lead Wires	Water-proof cable	Water-proof cable
Contact Material	See product quality level table	Lead Length	Standard 300mm (adjustable)	
Housing Materia	aluminium alloy	Dielectric Strength	100VAC@50Hz, 60s	
Torque	0.5Nm; +0.03Nm/6 circuits	Electrical Noise	<0.01Ω	
Protection Grade	IP68			

### Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	100RPM	10 Million Rev	Precious Metal
VD	200RPM	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 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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