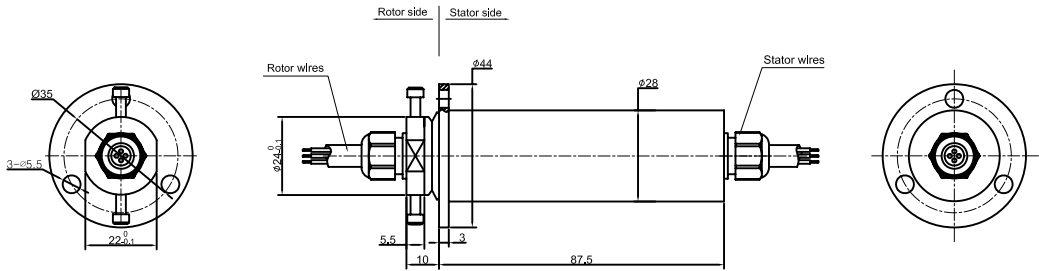


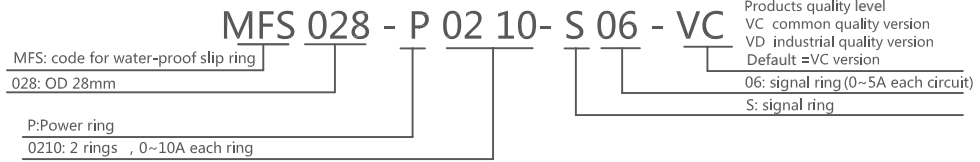
# MFS028 Series

## 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

MFS028-series water-proof/under water slip ring part list

Part#	Signal 2A	5A	10A	20A	Length(mm)
MFS028-S06	6	0	0	0	87.5
MFS028-S12	12	0	0	0	87.5
MFS028-S18	18	0	0	0	87.5
MFS028-S24	24	0	0	0	87.5
MFS028-P0320	0	0	0	3	87.5
MFS028-P0205-S16	16	2	0	0	87.5
MFS028-P0210-S12	12	0	2	0	87.5
MFS028-P0310-S08	8	0	3	0	87.5

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	Power	Signal	
Rotating Speed	See product quality level table	Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
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	500VAC@50Hz , 60s	
Torque	0.5N.m ; +0.03N.m/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

Technical support: [technical@moflon.com](mailto:technical@moflon.com)