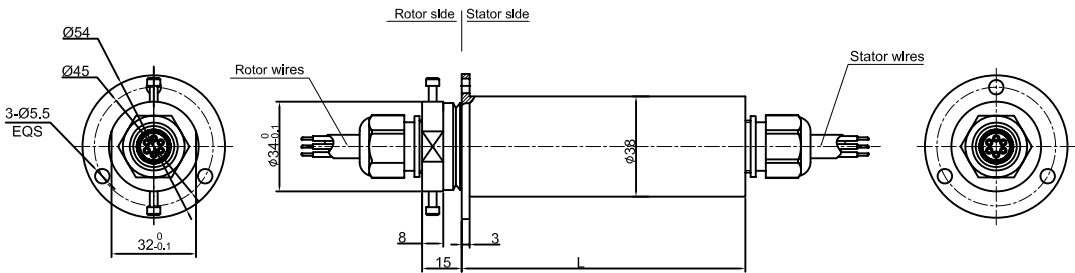


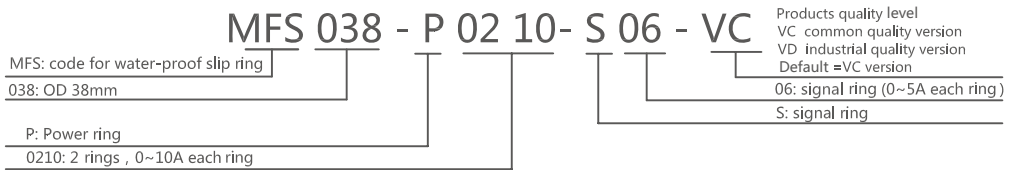
MFS038 Series

Water-proof/under Water 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

MFS038 - series water-proof/under water slip ring part list

Part#	Signal or 2A	10A	20A	Length (mm)	Part#	Signal or 2A	10A	20A	Length (mm)
MFS038-P0610	0	6	0	107.5	MFS038-S56	56	0	0	146.5
MFS038-P0620	0	0	6	107.5	MFS038-P1210	0	12	0	146.5
MFS038-P0210-S04	4	2	0	107.5	MFS038-P0210-S10	10	2	0	146.5
MFS038-S0220-S04	4	0	2	107.5	MFS038-P0410-S08	8	4	0	146.5
MFS038-S0410-S02	2	4	0	107.5	MFS038-P0610-S06	6	6	0	146.5
MFS038-P0420-S02	2	0	4	107.5	MFS038-P0810-S04	4	8	0	146.5
MFS038-P0310-S03	3	3	0	107.5	MFS038-P1010-S02	2	10	0	146.5
MFS038-P0320-S03	3	0	3	107.5	MFS038-S12	12	0	0	146.5
MFS038-S36	36	0	0	107.5					

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

Parameter	Electrical Data	
	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	$\geq 1000M\Omega/500VDC$	$\geq 1000M\Omega/500VDC$
Lead Wires	Water-proof cable	Water-proof cable
Lead Length	Standard 300mm (adjustable)	
Dielectric Strength	500VAC@50Hz , 60s	
Electrical Noise	<0.01 Ω	

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	0.5N.m ; +0.03N.m/6 circuits
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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