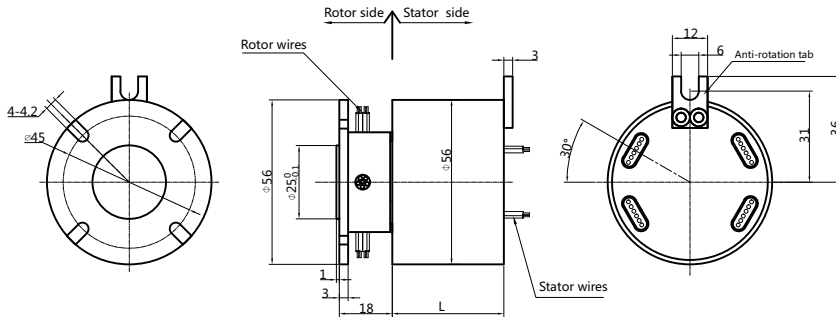
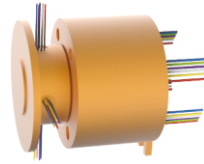


# MZ056F Series Slip Rings

MZ056F series slip ring is a general name for those rotor flange slip rings with OD(outer diameter) 56mm. Rotor wiring method is flange side face wiring.



## Part# Explanation

MZ 056 F - P 02 10- S 06 - VC

MZ: Rotor flange slip ring

056: OD 56mm

F: Rotor flange with cable exit from side

P: Power ring

0210: 2 rings , each(0~10A)

Products quality level

VC common quality version

VD industrial quality version

Default =VC version

06: 6 signal rings, (each 0~5A)

S: Signal ring

## Part# List

MZ056F series slip ring part# list

Part#	10A	Signal 5A	Length(mm)	Part#	10A	Signal 5A	Length(mm)
MZ056F-S02	0	2	26.8	MZ056F-P1010-S08	10	8	71.5
MZ056F-P0210	2	0	26.8	MZ056F-P1210-S06	12	6	71.5
MZ056F-S03	0	3	29.6	MZ056F-P1410-S04	14	4	71.5
MZ056F-P0310	3	0	29.6	MZ056F-P1610-S02	16	2	71.5
MZ056F-S06	0	6	38	MZ056F-S24	0	24	88.4
MZ056F-P0210-S04	2	4	38	MZ056F-P0410-S20	4	20	88.4
MZ056F-P0410-S02	4	2	38	MZ056F-P0610-S18	6	18	88.4
MZ056F-P0610	6	0	38	MZ056F-P1210-S12	12	12	88.4
MZ056F-S12	0	12	54.8	MZ056F-P1810-S06	18	6	88.4
MZ056F-P0210-S10	2	10	54.8	MZ056F-P2410	24	0	88.4
MZ056F-P0310-S09	3	9	54.8	MZ056F-S30	0	30	105.2
MZ056F-P0610-S06	6	6	54.8	MZ056F-P0210-S28	2	28	105.2
MZ056F-P0810-S04	8	4	54.8	MZ056F-P0410-S26	4	26	105.2
MZ056F-P1010-S02	10	2	54.8	MZ056F-P0610-S24	6	24	105.2
MZ056F-P1210	12	0	54.8	MZ056F-S36	0	36	122
MZ056F-S18	0	18	71.5	MZ056F-P0410-S32	4	32	122
MZ056F-P0210-S16	2	16	71.5	MZ056F-P0610-S30	6	30	122
MZ056F-P0410-S14	4	14	71.5	MZ056F-S42	0	42	138.8
MZ056F-P0610-S12	6	12	71.5	MZ056F-P0410-S38	4	38	138.8
MZ056F-P0810-S10	8	10	71.5	MZ056F-S48	0	48	155.6

Note:1. 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.

2. 10A,5A (signal) can combine freely in any way.It can be customized based on standard slip ring,please contact customer service for more detmalls.

Specifications

Electrical Data	
Parameter	Value
	Power Signal
Rated Voltage	0~440VAC/VDC 0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC ≥1000MΩ/500VDC
Lead Wire	AWG16#Teflon AWG22#Teflon
Lead Length	standard length 300mm(adjustable)
Insulating 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	aluminum alloy
Torque	0.1N.m;+0.03N.m/6 rings
Protection Grade	IP51

Product Quality Level Table

Quality Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	15 Million Revs	Precious Metal
VD	1000RPM	80 Million Revs	Gold-Gold

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

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 Flange size 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

Technical support: technical@moflon.com