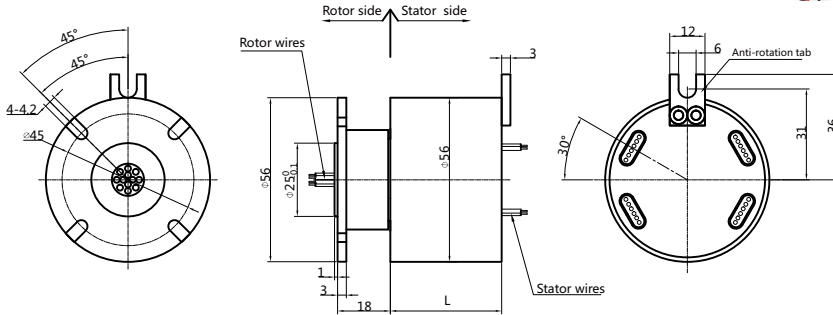
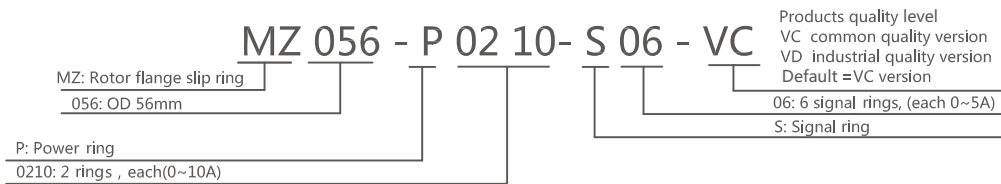


# MZ056 Series Slip Rings

MZ056 series slip ring is a general name for those rotor flange slip rings with OD(outer diameter) 56mm. Rotor wiring method is flange end face wiring.



## Part# Explanation



## Part# List

MZ056 series slip ring part# list							
Part#	10A	Signal 5A	Length(mm)	Part#	10A	Signal 5A	Length(mm)
MZ056-S02	0	2	26.8	MZ056-P1010-S08	10	8	71.5
MZ056-P0210	2	0	26.8	MZ056-P1210-S06	12	6	71.5
MZ056-S03	0	3	29.6	MZ056-P1410-S04	14	4	71.5
MZ056-P0310	3	0	29.6	MZ056-P1610-S02	16	2	71.5
MZ056-S06	0	6	38	MZ056-S24	0	24	88.4
MZ056-P0210-S04	2	4	38	MZ056-P0410-S20	4	20	88.4
MZ056-P0410-S02	4	2	38	MZ056-P0610-S18	6	18	88.4
MZ056-P0610	6	0	38	MZ056-P1210-S12	12	12	88.4
MZ056-S12	0	12	54.8	MZ056-P1810-S06	18	6	88.4
MZ056-P0210-S10	2	10	54.8	MZ056-P2410	24	0	88.4
MZ056-P0310-S09	3	9	54.8	MZ056-S30	0	30	105.2
MZ056-P0610-S06	6	6	54.8	MZ056-P0210-S28	2	28	105.2
MZ056-P0810-S04	8	4	54.8	MZ056-P0410-S26	4	26	105.2
MZ056-P1010-S02	10	2	54.8	MZ056-P0610-S24	6	24	105.2
MZ056-P1210	12	0	54.8	MZ056-S36	0	36	122
MZ056-S18	0	18	71.5	MZ056-P0410-S32	4	32	122
MZ056-P0210-S16	2	16	71.5	MZ056-P0610-S30	6	30	122
MZ056-P0410-S14	4	14	71.5	MZ056-S42	0	42	138.8
MZ056-P0610-S12	6	12	71.5	MZ056-P0410-S38	4	38	138.8
MZ056-P0810-S10	8	10	71.5	MZ056-S48	0	48	155.6

Note:1.N rings 10A in parallel can be used as 1 channel N\*10A. For example: 2 rings 10A in parallel can be used as 1 channel 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 details

## Specifications

Electrical Data	
Parameter	Value
	Power Signal
Rated Voltage	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC
Lead Wire	AWG16#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](mailto:technical@moflon.com)