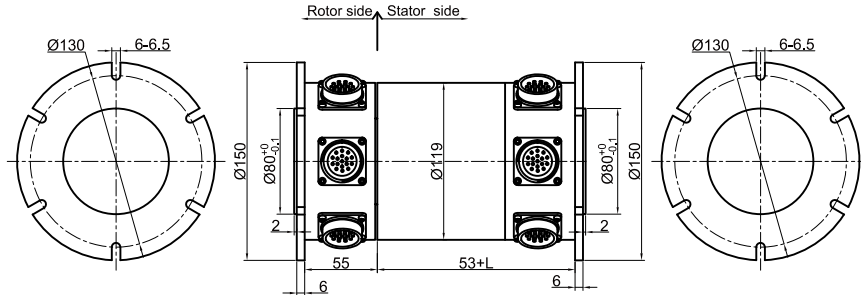


# MD119 Series Slip Rings

MD series slip rings are with aviation plug on both rotor and stator side, it's easy for installation and replacement. It saves the time and trouble of wire bonding ,which also improves stability and reliability .



### Part# Explanation

**MD 119 - P 02 10- S 06 - VC**

MD: Double flange with aviation plug	119: OD 119mm	P: Power ring	0210: 2rings , 0~10A/ring	Products quality level	VC common quality version	VD industrial quality version	Default =VC version
				06:6 Ring Rated 0~5A	S:Signal ring		

### Parts# List

MT0317 Series Slip Rings Parts# List							
Part#	10A	Signal or 5A	Length (mm)	Part#	10A	Signal or 5A	Length (mm)
MD119-S02	0	2	36	MD119-S36	0	36	165.2
MD119-P0210	2	0	36	MD119-P0610-S30	6	30	165.2
MD119-S03	0	3	39.8	MD119-P1210-S24	12	24	165.2
MD119-P0310	3	0	39.8	MD119-P3610	36	0	165.2
MD119-S06	0	6	51.2	MD119-S42	0	42	188
MD119-P0210-S04	2	4	51.2	MD119-P0610-S36	6	36	188
MD119-P0410-S02	4	2	51.2	MD119-P1210-S30	12	30	188
MD119-P0610	6	0	51.2	MD119-S48	0	48	210.8
MD119-S12	0	12	74	MD119-P0610-S42	6	42	210.8
MD119-P0210-S10	2	10	74	MD119-P0910-S39	9	39	210.8
MD119-P0310-S09	3	9	74	MD119-P1210-S36	12	36	210.8
MD119-P0610-S06	6	6	74	MD119-P1810-S30	18	30	210.8
MD119-P0810-S04	8	4	74	MD119-P2410-S24	24	24	210.8
MD119-P1010-S02	10	2	74	MD119-S60	0	60	256.4
MD119-P1210	12	0	74	MD119-P0610-S54	6	54	256.4
MD119-S18	0	18	96.8	MD119-P0910-S51	9	51	256.4
MD119-P0210-S16	2	16	96.8	MD119-P1210-S48	12	48	256.4
MD119-P0410-S14	4	14	96.8	MD119-S72	0	72	312
MD119-P0610-S12	6	12	96.8	MD119-P0610-S66	6	66	312
MD119-P0810-S10	8	10	96.8	MD119-P1210-S60	12	60	312
MD119-P1010-S08	10	8	96.8	MD119-P2410-S48	24	48	312
MD119-P1210-S06	12	6	96.8	MD119-P3610-S36	36	36	312
MD119-P1410-S04	14	4	96.8	MD119-S84	0	84	367.6
MD119-P1610-S02	16	2	96.8	MD119-P1210-S72	12	72	367.6
MD119-S24	0	24	119.6	MD119-P2410-S60	24	60	367.6
MD119-P0410-S20	4	20	119.6	MD119-P3610-S48	36	48	367.6
MD119-P0610-S18	6	18	119.6	MD119-S96	0	96	413.2
MD119-P1210-S12	12	12	119.6	MD119-P1210-S84	12	84	413.2
MD119-P1810-S06	18	6	119.6	MD119-P2410-S72	24	72	413.2
MD119-P2410	24	0	119.6	MD119-P3610-S60	36	60	413.2
MD119-S30	0	30	142.4	MD119-P4210-S54	42	54	413.2
MD119-P0610-S24	6	24	142.4	MD119-S108	0	108	458.8
MD119-P1210-S18	12	18	142.4	MD119-P1210-S96	12	96	458.8
MD119-P1810-S12	18	12	142.4	MD119-P2410-S84	24	84	458.8
MD119-P2410-S06	24	6	142.4	MD119-P3610-S72	36	72	458.8
MD119-P3010	30	0	142.4	MD119-P4810-S60	48	60	458.8

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 detmails

## Specifications

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	Aviation Plug	Aviation Plug
Lead Length	Standard 300mm ( Can be extend )	
Dielectric 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	Aluminium Alloy	
Torque	0.1N.m ; +0.03N.m/6 ring	
Protection Grade	IP51	

## Product Quality Level Table

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

## 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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