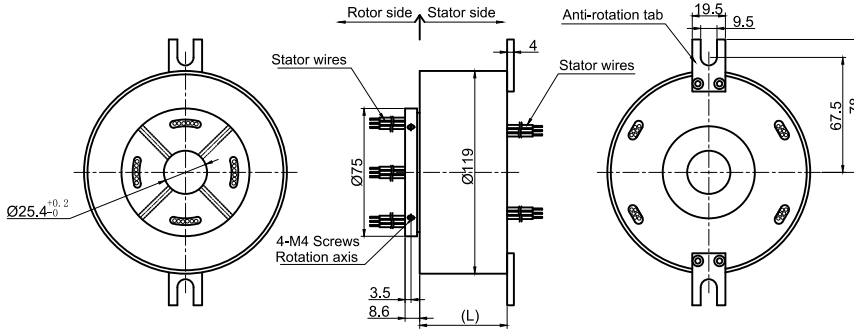
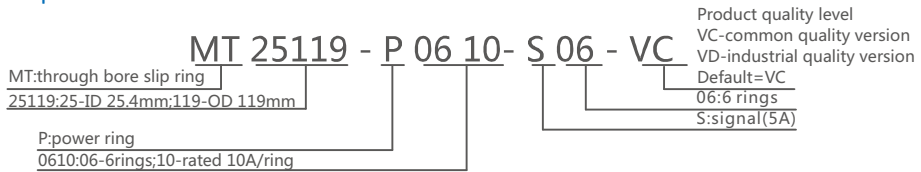


# MT25119 Series

MT25119 series provides a 25.4mm through-bore for routing of hydraulic or pneumatic lines or hydraulic or pneumatic rotating shaft installation, and a compact 119mm outside diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications. MT25119 series are standard, off-the-shelf products, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. It can transmit signal(2A), 10A, multiple 10A current when 360° degree free rotating.



## Part# Explanation



## Part# List

MT25119 Series Parts# List							
Part#	10A	Signal or 5A	Length-L (mm)	Part#	10A	Signal or 5A	Length-L (mm)
MT25119-S02	0	2	36	MT25119-S48	0	48	217.4
MT25119-P0210	2	0	36	MT25119-P0610-S42	6	42	217.4
MT25119-S03	0	3	39.8	MT25119-P0910-S39	9	39	217.4
MT25119-P0310	3	0	39.8	MT25119-P1210-S36	12	36	217.4
MT25119-S06	0	6	51.2	MT25119-P1810-S30	18	30	217.4
MT25119-P0210-S04	2	4	51.2	MT25119-P2410-S24	24	24	217.4
MT25119-P0410-S02	4	2	51.2	MT25119-S60	0	60	263
MT25119-P0610	6	0	51.2	MT25119-P0610-S54	6	54	263
MT25119-S12	0	12	74	MT25119-P0910-S51	9	51	263
MT25119-P0210-S10	2	10	74	MT25119-P1210-S48	12	48	263
MT25119-P0310-S09	3	9	74	MT25119-S72	0	72	312.6
MT25119-P0610-S06	6	6	74	MT25119-P0610-S66	6	66	312.6
MT25119-P0810-S04	8	4	74	MT25119-P1210-S60	12	60	312.6
MT25119-P1010-S02	10	2	74	MT25119-P2410-S48	24	48	312.6
MT25119-P1210	12	0	74	MT25119-P3610-S36	36	36	312.6
MT25119-S18	0	18	96.8	MT25119-S84	0	84	312.6
MT25119-P0210-S16	2	16	96.8	MT25119-P1210-S72	12	72	312.6
MT25119-P0410-S14	4	14	96.8	MT25119-P2410-S60	24	60	312.6
MT25119-P0610-S12	6	12	96.8	MT25119-P3610-S48	36	48	312.6
MT25119-P0810-S10	8	10	96.8	MT25119-S96	0	96	403.8
MT25119-P1010-S08	10	8	96.8	MT25119-P1210-S84	12	84	403.8
MT25119-P1210-S06	12	6	96.8	MT25119-P2410-S72	24	72	403.8
MT25119-P1410-S04	14	4	96.8	MT25119-P3610-S60	36	60	403.8
MT25119-P1610-S02	16	2	96.8	MT25119-P4210-S54	42	54	403.8
MT25119-S24	0	24	119.6	MT25119-S108	0	108	453.4
MT25119-P0410-S20	4	20	119.6	MT25119-P1210-S96	12	96	453.4
MT25119-P0610-S18	6	18	119.6	MT25119-P2410-S84	24	84	453.4
MT25119-P1210-S12	12	12	119.6	MT25119-P3610-S72	36	72	453.4
MT25119-P1810-S06	18	6	119.6	MT25119-S120	0	120	499
MT25119-P2410	24	0	119.6	MT25119-P1210-S108	12	108	499
MT25119-S30	0	30	142.4	MT25119-P2410-S96	24	96	499
MT25119-P0610-S24	6	24	142.4	MT25119-P3610-S84	36	84	499
MT25119-P1210-S18	12	18	142.4	MT25119-P4810-S72	48	72	499
MT25119-P1810-S12	18	12	142.4	MT25119-S132	0	132	544.6
MT25119-P2410-S06	24	6	142.4	MT25119-P1210-S120	12	120	544.6
MT25119-P3010	30	0	142.4	MT25119-P2410-S108	24	108	544.6

MT25119-S36	0	36	169.2	MT25119-P3610-S96	36	96	542
MT25119-P0610-S30	6	30	169.2	MT25119-P4810-S84	48	84	542
MT25119-P1210-S24	12	24	169.2	MT25119-S144	0	144	587.6
MT25119-P3610	36	0	169.2	MT25119-P1210-S132	12	132	587.6
MT25119-S42	0	42	192	MT25119-P2410-S120	24	120	587.6
MT25119-P0610-S36	6	36	192	MT25119-P3610-S108	36	108	587.6
MT25119-P1210-S30	12	30	192	MT25119-P4810-S96	48	96	587.6

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. 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
Rated Voltage	0~690VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon
Lead Length	Standard 300mm(adjustable)
Insulation Strength	1000VAC@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/6rings
Protection Grade	IP51

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	250RPM	20 Million Revs	Precious Metal
VD	600RPM	80 Million Revs	Gold-plated
VH	1000RPM	150 Million Revs	Gold-Gold

## Lead Wires Color Code

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