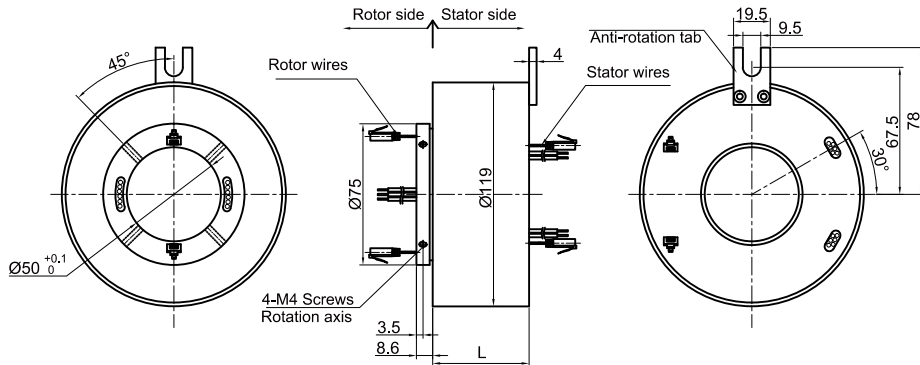


ME2502 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+1~38 power and signal channel

ME2502, support 2 channels 1000M ethernet slip rings, with through bore size 50mm, overall diameter 119mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



Part# Explanation

ME2502 - P 02 10- S 06 - VD		Products quality level
ME: Ethernet Slip Rings		VC common quality version
250: ID 50mm, OD 119		VD industrial quality version
2:2 channel 1000M Ethernet (8 cores per channel +1 shielded channel)		Default =VC version
P: Power ring		06:0~2A/ring
0210: 2 rings , rated 0~2A/ring		S: Signal ring

Specifications

Ethernet Specification		
Parameter	Value	
1000M Ethernet	2 channel 1000M Ethernet	
Connector	RJ45	
Ber Error Rate	10E-11	
Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC
Insulation Resistance	$\geq 1000\text{M}\Omega/500\text{VDC}$	$\geq 1000\text{M}\Omega/500\text{VDC}$
Lead Wires	AWG16#Teflon/PVC/Silicon	AWG22#Teflon
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	0.1N.m; +0.03N.m/6 rings	
Protection Grade	IP51	

Part# List

ME2502 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)	Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)
ME2502-S02	2	0	0	0	96.8	ME2502-P0410-S14	2	4	0	14	169.2
ME2502-S06	2	0	0	6	120	ME2502-P1010-S08	2	10	0	8	169.2
ME2502-P0610	2	6	0	0	120	ME2502-P1410-S04	2	14	0	4	169.2
ME2502-P0420	2	0	4	0	120	ME2502-P1810	2	18	0	0	169.2
ME2502-P0410-S02	2	4	0	2	120	ME2502-P0610-S24	2	6	0	24	217.4
ME2502-S12	2	0	0	12	142.4	ME2502-P1210-S18	2	12	0	18	217.4
ME2502-P0610-S06	2	6	0	6	142.4	ME2502-S30	2	0	0	30	217.4
ME2502-P0410-S08	2	4	0	8	142.4	ME2502-P0610-S32	2	6	0	32	263
ME2502-P0810-S04	2	8	0	4	142.4	ME2502-P1210-S26	2	12	0	26	263
ME2502-P1210	2	12	0	0	142.4	ME2502-S38	2	0	0	38	263
ME2502-S18	2	0	0	18	169.2						

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) According to your own needs, 10A, 20A and 5A can be combined freely. Please contact customer service if you need over 2 channels Ethernet.

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

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 Bore diameter 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