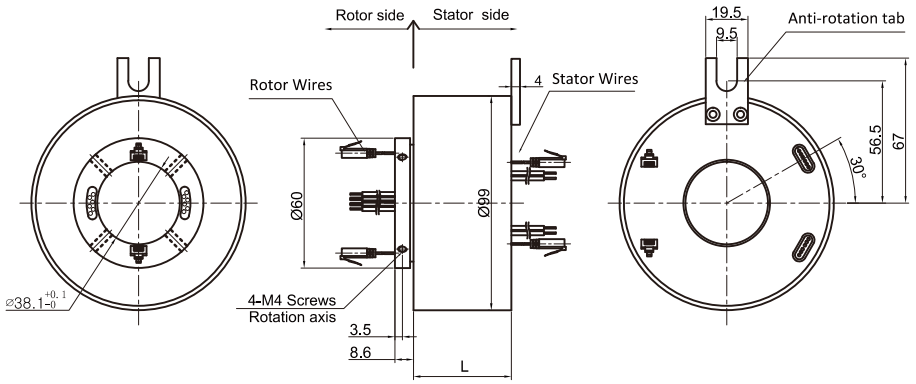
ME2382 100M/1000M Ethernet Slip Rings

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

ME2382,support 2 channels 1000M ethernet slip rings, with through bore size 38.1mm, overall diameter 99mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



Part# Explanation

ME2382 - P 02 10- S 06 - VD

- ME: Ethernet Slip Ring
- 238: ID 38.1mm, OD 99
- 2: 2 Channel 1000M Ethernet (8 cores per channel +1 shielded channel)
- P: Power ring
- 0210: 2 rings , rated 0~2A/ring
- S: Signal ring
- 06:0~2A/ring
- Products quality level
  - VC common quality version
  - VD industrial quality version
  - Default =VC version

Specifications

Ethernet Specification		
Parameter	Value	
1000M Ethernet	2 channels 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	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon	AWG22#Teflon
Lead Length	Standard 300mm(adjustable)	
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℃~80℃	
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	

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Part# List

ME2382 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)	Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)
ME2382	2	0	0	0	86	ME2382-P1210	2	12	0	0	126.8
ME2382-S06	2	0	0	6	106.4	ME2382-S18	2	0	0	18	150.2
ME2382-P0610	2	6	0	0	106.4	ME2382-P0410-S14	2	4	0	14	150.2
ME2382-P0420	2	0	4	0	106.4	ME2382-P1010-S08	2	10	0	8	150.2
ME2382-P0410-S02	2	4	0	2	106.4	ME2382-P1810	2	18	0	0	150.2
ME2382-S12	2	0	0	12	126.8	ME2382-P0610-S24	2	6	0	24	193.2
ME2382-P0410-S08	2	4	0	8	126.8	ME2382-S30	2	0	0	30	193.2
ME2382-P0610-S06	2	6	0	6	126.8	ME2382-P0610-S32	2	6	0	32	234
ME2382-P0810-S04	2	8	0	4	126.8	ME2382-S38	2	0	0	38	234
ME2382-P1010-S02	2	10	0	2	126.8						

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) 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