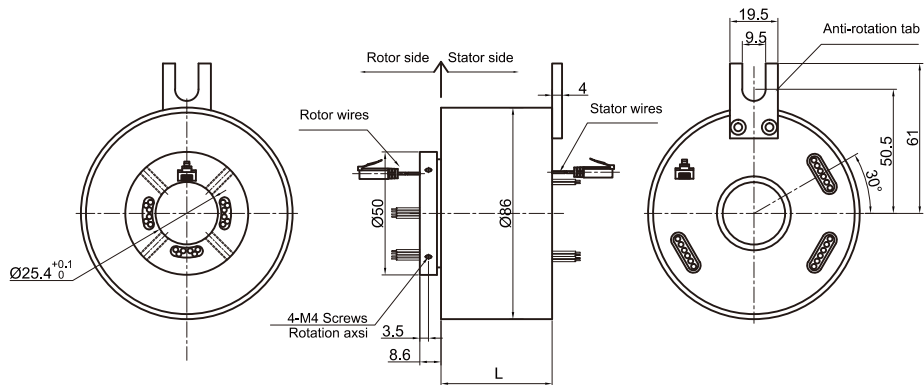
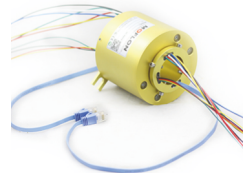


# ME2251 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+1~46 power and signal channel

ME2251, support 1 channel 1000M ethernet slip rings, with through bore size 25.4mm, overall diameter 86mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation

**ME2251 - P 02 10- S 06 - VD**

ME: Ethernet Slip Ring  
225: ID 25.4mm, OD 86  
1: 1 channel 1000M Ethernet  
(8 cores per channel +1 shielded channel)  
P: Power ring  
0210: 2 rings, rated 0~2A/ring

Products quality level  
VC common quality version  
VD industrial quality version  
Default =VC version  
06:0~2A/ring  
S: Signal ring

### Specifications

Ethernet Specification		
Parameter	Value	
1000M Ethernet	1 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	≥1000MΩ/500VDC	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon	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	

## Part# List

ME2251 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)	Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)
ME2251-S03	1	0	0	3	65.6	ME2251-P0810-S07	1	8	0	7	106.4
ME2251-P0310	1	3	0	0	65.6	ME2251-P1010-S05	1	10	0	5	106.4
ME2251-P0420	1	0	4	0	86	ME2251-S21	1	0	0	21	126.8
ME2251-S09	1	0	0	9	86	ME2251-P0410-S17	1	4	0	17	126.8
ME2251-P0210-S07	1	2	0	7	86	ME2251-P2110	1	21	0	0	126.8
ME2251-P0410-S05	1	4	0	5	86	ME2251-S27	1	0	0	27	150.2
ME2251-P0610-S03	1	6	0	3	86	ME2251-P0610-S21	1	6	0	21	150.2
ME2251-S15	1	0	0	15	106.4	ME2251-P0610-S33	1	6	0	33	193.2
ME2251-P1510	1	15	0	0	106.4	ME2251-S39	1	0	0	39	193.2
ME2251-P0410-S11	1	4	0	11	106.4	ME2251-P0610-S40	1	6	0	40	234
ME2251-P0610-S09	1	6	0	9	106.4	ME2251-S46	1	0	0	46	234

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