

# ME Series 1000M Ethernet Slip Rings

ME series(Ethernet/Gigabit slip ring) have been developed to provide reliable products to allow transfer of the 1000M/Gbit/Gigabit Ethernet protocol through a rotating interface. The innovative designs meet the challenge of matching impedance, controlling crosstalk and managing losses, and it works well at Gbit/1000M speed on CAT5/CAT6, Wide range of product solutions are offered with combinations of data and power in multiple mechanical configurations to meet your application needs.



## Features

- Support GBit,10M/100M/1000M transmitting.
- Configured for Ethernet transmission
- RJ45 connector for direct plug-and-play
- High performance contact technology
- Available with multiple Ethernet, power and signal combinations

## ME Series Models

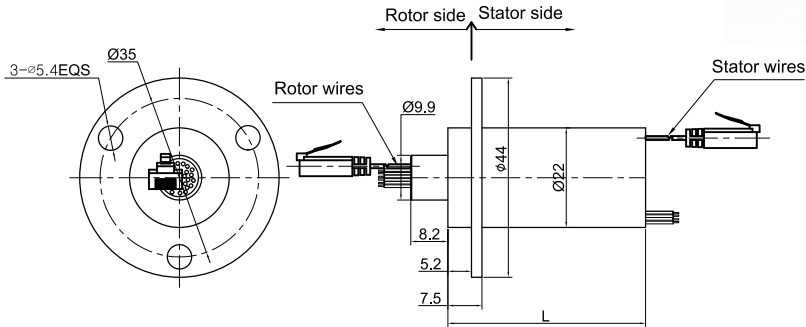
Model#	ID(mm)	OD(mm)	100/1000M Ethernet	Mixed Power /Signal Circuits
ME1221	0	22	1	1~28
ME1222	0	22	2	1~20
ME2131	12.7	35	1	1~16
ME2132	12.7	35	2	1~12
ME2121	12.7	56	1	1~34
ME2122	12.7	56	2	1~32
ME2201	20	69	1	1~34
ME2202	20	69	2	1~32
ME2251	25.4	86	1	1~46
ME2252	25.4	86	2	1~38
ME2381	38.1	99	1	1~46
ME2382	38.1	99	2	1~38
ME2501	50	119	1	1~46
ME2502	50	119	2	1~38

60% of MOFLON's sales are customized solutions, please contact customer service for special requirements.

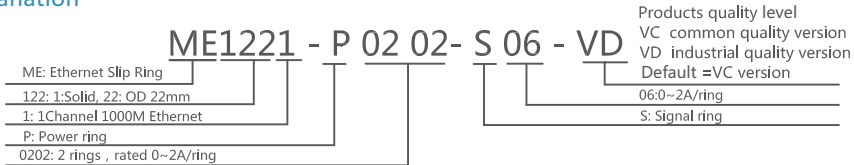
# ME1221 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 power and signal channel

ME1221, support 1 channel 1000M ethernet slip rings, with compact OD 22mm, flange mounting, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation



### Specifications

Ethernet Specification			Mechanical Data	
Parameter	Value		Parameter	Value
1000M Ethernet	1 channel 1000M Ethernet		Working Life	See Product Quality Level Table
Connector	RJ45		Rotating Speed	See Product Quality Level Table
Ber Error Rate	10E-11		Working Temperature	-30°C~80°C
Electrical Data			Operating Humidity	0~85% RH
Parameter	Value		Contact Material	See Product Quality Level Table
	Power	Signal	Housing Material	Aluminium Alloy
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC	Torque	0.1N.m, +0.03N.m/6 rings
Insulation Resistance	≥1000MΩ/500VDC	≥1000MΩ/500VDC	Protection Grade	IP51
Lead Wires	AWG28#Teflon	AAWG28# Teflon		
Lead Length	Standard 300mm(adjustable)			
Dielectric Strength	500VAC@50Hz,60s			
Electrical Noise	<0.01Ω			

### Part# List

ME1221 Series Ethernet Slip Ring				
Part#	1000M Ethernet	4A	Signal or 2A	Length ( mm )
ME1221-S16	1	0	16	43.6
ME1221-P0304-S10	1	3	10	43.6
ME1221-P0604-S04	1	6	4	43.6
ME1221-S28	1	0	28	57.3

Note:N channels 5A rings parallel can be used as 1 channel N\*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A

### Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	10 Million Revs.	Precious Metal
VD	600RPM	20 Million Revs	Gold-plated

### Lead Wires Color Code

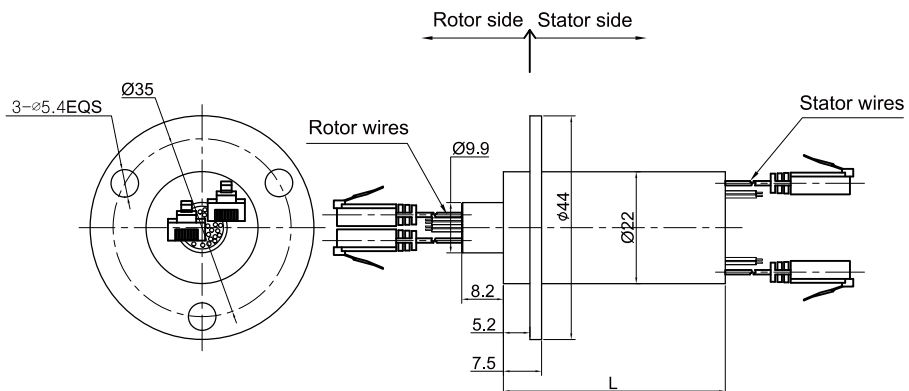
Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

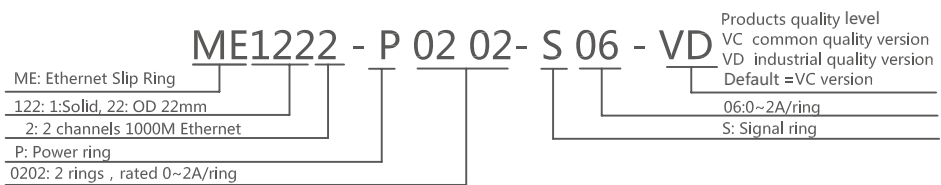
# ME1222 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 power and signal channel

ME1222, support 2 channels 1000M ethernet slip rings, with compact OD 22mm, flange mounting, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation



### 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	AWG28#Teflon	AWG28#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°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

ME1222 Series Ethernet Slip Ring				
Part#	1000M Ethernet	4A	Signal or 2A	Length ( mm )
ME1222-S08	2	0	8	43.6
ME1222-P0304-S02	2	3	2	43.6
ME1222-S20	2	0	20	57.3

Note: N channels 5A rings parallel can be used as 1 channel N\*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	10 Million Revs.	Precious Metal
VD	600RPM	20 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.

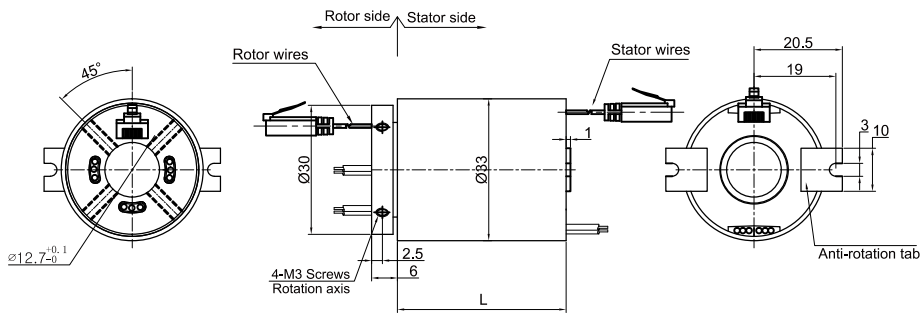
- ① Cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring 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](mailto:technical@moflon.com)

# ME2131 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 power and signal channel

ME2131, support 1 channel 1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall diameter 33mm, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation

ME: Ethernet Slip Ring	ME2131	-	P	02	05-	S	06	-	VD	Products quality level
213: ID 12.7mm, OD 35										VC common quality version
1: 1 Channel 1000M Ethernet										VD industrial quality version
P: Power ring										Default =VC version
0205: 2 rings, rated 0~2A/ring										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	AWG22#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°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

ME2131 Series Ethernet Slip Ring			
Part#	1000M Ethernet	Signal 5A	Length ( mm )
ME2131-S04	1	4	39.2
ME2131-S10	1	10	53

Note:1) N channels 5A rings parallel can be used as 1 channel N\*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A.  
2) Circuit number and current strength can be customized, please contact customer service for more details.

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	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.

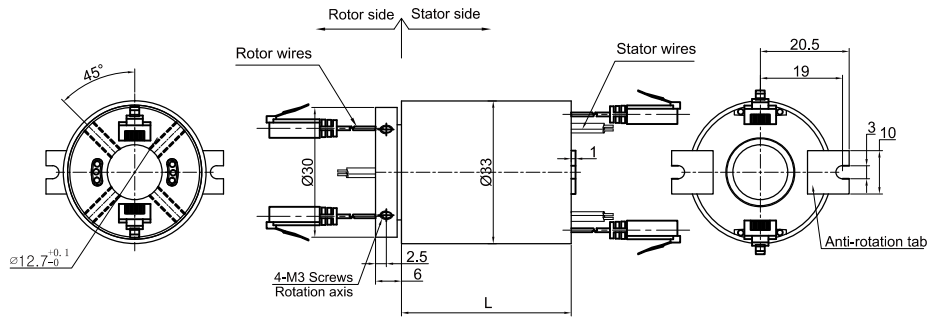
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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](mailto:technical@moflon.com)

# ME2132 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 power and signal channel

ME2132, support 2 channels 1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall diameter 33mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation

ME: Ethernet Slip Ring	ME2132	-	P	02	05-	S	06	-	VD	Products quality level
213: ID 12.7mm, OD 35										VC common quality version
2: 2 Channels 1000M Ethernet										VD industrial quality version
P: Power ring										Default =VC version
0205: 2 rings , rated 0~2A/ring										06:0~2A/ring
										S: Signal ring

### Specifications

Ethernet Specification			
Parameter	Value		
1000M Ethernet	2 channels 1000M Ethernet		
Connector	RJ45		
Bit 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	AWG22#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°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

ME2132 Series Ethernet Slip Ring			
Part#	1000M Ethernet	Signal 5A	Length ( mm )
ME2132-S02	2	2	53
ME2132-S08	2	8	66.8

Note:1) N channels 5A rings parallel can be used as 1 channel N\*5A current. For example: 2 rings 5A parallel could be used as 1 wires 10A.  
2) Circuit number and current strength can be customized, please contact customer service for more details.

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	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.

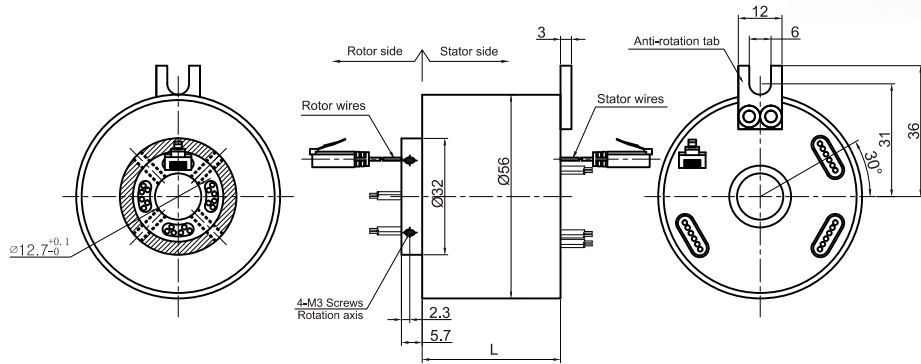
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
  - ② Because of the structure limitation, length/height/OD can be customized on your request.
  - ③ Support current or signal up to 200 rings.
  - ④ Aviation plug, terminal and heat-shrink 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](mailto:technical@moflon.com)



# ME2121 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 power and signal channel

ME2121, support 2 channels 1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall diameter 56mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation

ME2121 - P 02 10- S 06 - VD		Products quality level
ME: Ethernet Slip Ring		VC common quality version
212: ID 12.7mm, OD 56		VD industrial quality version
1: 1 Channel 1000M Ethernet		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	1 channel 1000M Ethernet
Connector	RJ45
Ber Error Rate	10E-11
Electrical Data	
Parameter	Value
	Power
Rated Voltage	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon/PVC/Silicon
Lead Length	Standard 300mm(adjustable)
Dielectric Strength	500VAC@50Hz, 60s
Electrical Noise	<0.01Ω
	Signal
	0~440VAC/VDC
	≥1000MΩ/500VDC
	AWG22#Teflon
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

ME2121 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2121-S04	1	0	0	4	54.8	ME2121-P0210-S14	1	2	0	14	88.4
ME2121-P0410	1	4	0	0	54.8	ME2121-P0410-S12	1	4	0	12	88.4
ME2121-P0420	1	0	4	0	71.5	ME2121-P0610-S10	1	6	0	10	88.4
ME2121-S10	1	0	0	10	71.5	ME2121-P0810-S08	1	8	0	8	88.4
ME2121-P0210-S08	1	2	0	8	71.5	ME2121-P1010-S06	1	10	0	6	88.4
ME2121-P0410-S06	1	4	0	6	71.5	ME2121-P1210-S04	1	12	0	4	88.4
ME2121-P0610-S04	1	6	0	4	71.5	ME2121-S22 *	1	0	0	22	105.2
ME2121-P1010	1	10	0	0	71.5	ME2121-S28 *	1	0	0	28	125
ME2121-S16	1	0	0	16	88.4	ME2121-S34 *	1	0	0	34	141.8

Note:1) Please contact customer service for drawing(marked by asterisks "\*\*").

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.

3) 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

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	150RPM	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.

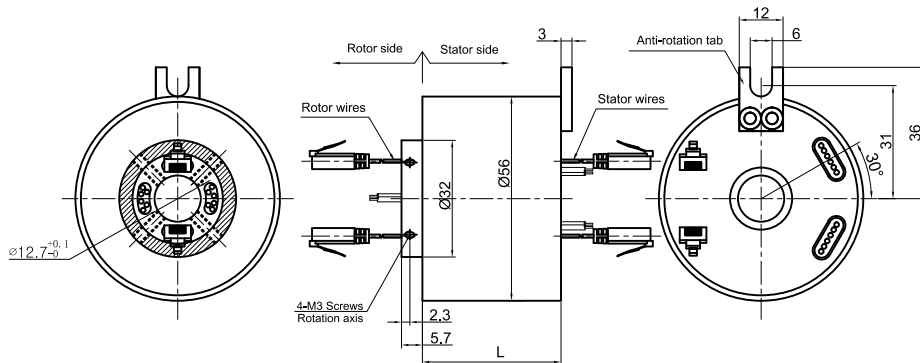
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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](mailto:technical@moflon.com)

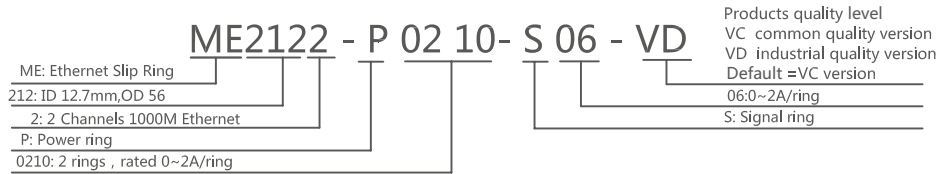
# ME2122 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 power and signal channel

ME2122, support 2 channels 1000M ethernet slip rings, with through bore size 12.7mm(0.5"), overall diameter 56mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation



### Specifications

Ethernet Specification	
Parameter	Value
1000M Ethernet	2 channels 1000M Ethernet
Connector	RJ45
Ber Error Rate	10E-11
Electrical Data	
Parameter	Value
	Power
Rated Voltage	0~440VAC/VDC
Insulation Resistance	$\geq 1000M\Omega/500VDC$
Lead Wires	AWG16#Teflon
Lead Length	Standard 300mm(adjustable)
Dielectric Strength	500VAC@50Hz , 60s
Electrical Noise	<0.01 $\Omega$
	Signal
	0~440VAC/VDC
	$\geq 1000M\Omega/500VDC$
	AWG22#Teflon
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

ME2122 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2122-S02	2	0	0	2	71.5	ME2122-S14	2	0	0	14	105.2
ME2122-P0210	2	2	0	0	71.5	ME2122-P0410-S10	2	4	0	10	105.2
ME2122-P0420	2	0	4	0	88.4	ME2122-P0610-S08	2	6	0	8	105.2
ME2122-S08	2	0	0	8	88.4	ME2122-P1010-S04	2	10	0	4	105.2
ME2122-P0810	2	8	0	0	88.4	ME2122-S20	2	0	0	20	122
ME2122-P0210-S06	2	2	0	6	88.4	ME2122-S26	2	0	0	26	138.8
ME2122-P0410-S04	2	4	0	4	88.4	ME2122-S32	2	0	0	32	155.6

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	150RPM	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.

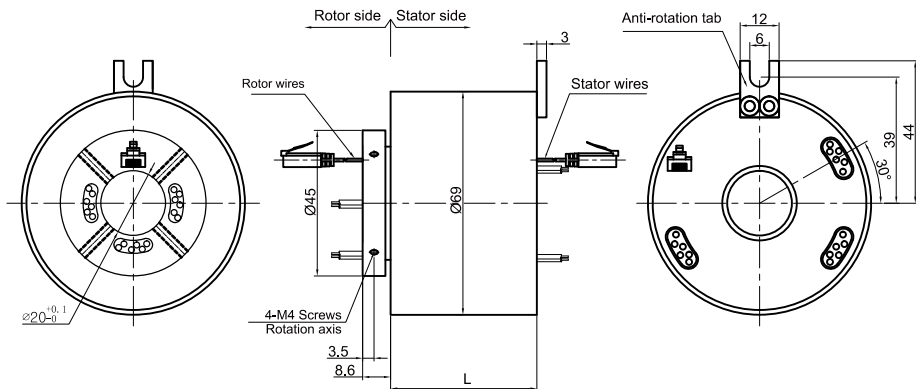
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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](mailto:technical@moflon.com)

# ME2201 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 power and signal channel

ME2201, support 1 channel 1000M ethernet slip rings, with through bore size 20mm, overall diameter 69mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation

<b>ME2201 - P 02 10- S 06 - VD</b>		Products quality level
ME: Ethernet Slip Ring		VC common quality version
220: ID 20mm, OD 69		VD industrial quality version
1: 1 Channel 1000M Ethernet		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	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°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

ME2201 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2201-S04	1	0	0	4	65.6	ME2201-P0410-S12	1	4	0	12	106.4
ME2201-P0410	1	4	0	0	65.6	ME2201-P0610-S10	1	6	0	10	106.4
ME2201-P0420	1	0	4	0	86	ME2201-P0810-S08	1	8	0	08	106.4
ME2201-S10	1	0	0	10	86	ME2201-P1010-S06	1	10	0	06	106.4
ME2201-P0210-S08	1	2	0	8	86	ME2201-P1210-S04	1	12	0	4	106.4
ME2201-P0410-S06	1	4	0	6	86	ME2201-S22	1	0	0	22	126.8
ME2201-P0610-S04	1	6	0	4	86	ME2201-S28	1	0	0	28	150.2
ME2201-S16	1	0	0	16	106.4	ME2201-S34	1	0	0	34	170.6
ME2201-P0210-S14	1	2	0	14	106.4						

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	150RPM	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.

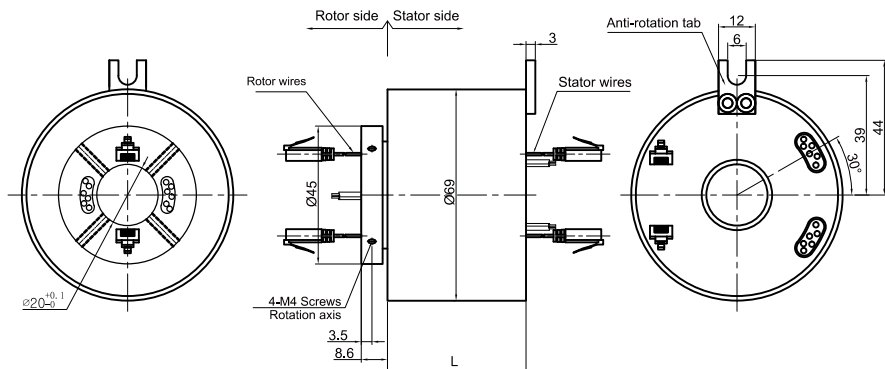
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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](mailto:technical@moflon.com)

# ME2202 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 power and signal channel

ME2202, support 2 channels 1000M ethernet slip rings, with through bore size 20mm, overall diameter 69mm, are standard, off-the-shelf, Color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



### Part# Explanation

ME: Ethernet Slip Ring	220: ID 20mm, OD 69	2: 2 channels 1000M Ethernet	P: Power ring	0210: 2 rings , rated 0~2A/ring	S 06: 06:0~2A/ring	VD: Products quality level VC common quality version VD industrial quality version Default =VC version
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### 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/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°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

ME2202 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2202-S02	2	0	0	2	86	ME2202-S14	2	0	0	14	126.8
ME2202-P0210	2	2	0	0	86	ME2202-P0410-S10	2	4	0	10	126.8
ME2202-P0420	2	0	4	0	106.4	ME2202-P0610-S08	2	6	0	8	126.8
ME2202-S08	2	0	0	8	106.4	ME2202-P1010-S04	2	10	0	04	126.8
ME2202-P0810	2	8	0	0	106.4	ME2202-S20	2	0	0	20	150.2
ME2202-P0210-S06	2	2	0	6	106.4	ME2202-S26	2	0	0	26	170.6
ME2202-P0410-S04	2	4	0	4	106.4	ME2202-S32	2	0	0	32	191

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	150RPM	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

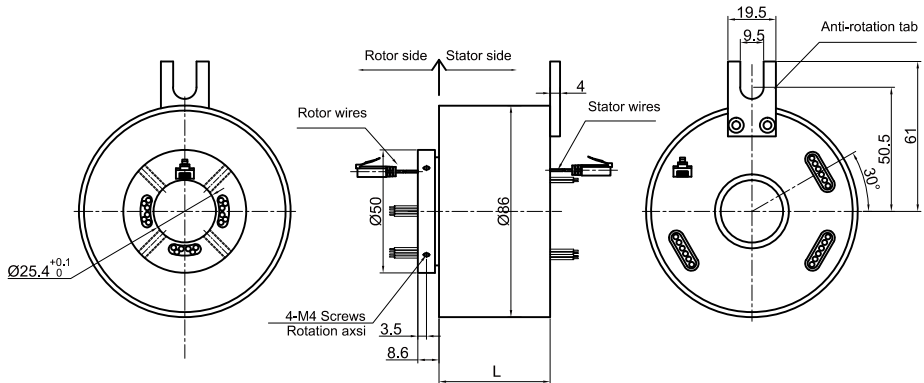
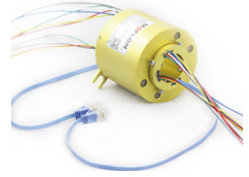
Technical support: [technical@moflon.com](mailto:technical@moflon.com)



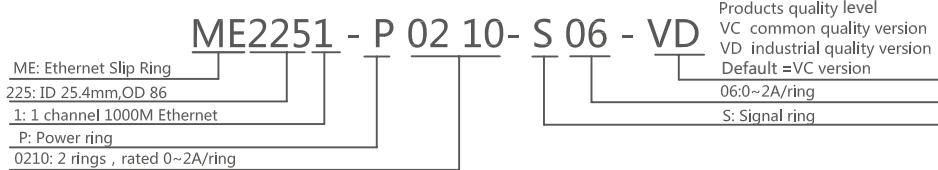
# ME2251 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 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



### 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°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

ME2251 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2251-S04	1	0	0	4	65.6	ME2251-P0810-S08	1	8	0	8	106.4
ME2251-P0410	1	4	0	0	65.6	ME2251-P1010-S06	1	10	0	6	106.4
ME2251-P0420	1	0	4	0	86	ME2251-S22	1	0	0	22	126.8
ME2251-S10	1	0	0	10	86	ME2251-P0410-S18	1	4	0	18	126.8
ME2251-P0210-S08	1	2	0	8	86	ME2251-P2210	1	22	0	0	126.8
ME2251-P0410-S06	1	4	0	6	86	ME2251-S28	1	0	0	28	147.2
ME2251-P0610-S04	1	6	0	4	86	ME2251-P0610-S22	1	6	0	22	147.2
ME2251-S16	1	0	0	16	106.4	ME2251-P0610-S34	1	6	0	34	191
ME2251-P1610	1	16	0	0	106.4	ME2251-S40	1	0	0	40	191
ME2251-P0410-S12	1	4	0	12	106.4	ME2251-P0610-S40	1	6	0	40	211.4
ME2251-P0610-S10	1	6	0	10	106.4	ME2251-S46	1	0	0	46	211.4

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	150RPM	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.

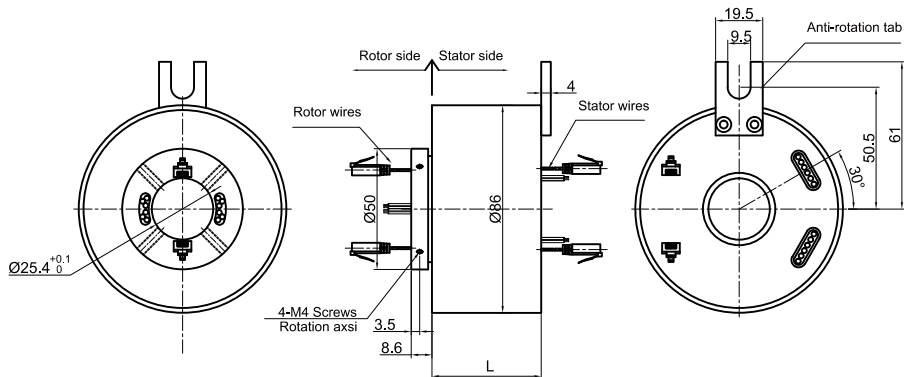
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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

# ME2252 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 power and signal channel

ME2252, support 2 channels 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

ME2252 - P 02 10- S 06 - VD		Products quality level
ME: Ethernet Slip Ring		VC common quality version
225: ID 25.4mm, OD 86		VD industrial quality version
2: 2 Channel 1000M Ethernet		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	≥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°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

ME2252-2 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2252-S02	2	0	0	2	86	ME2252-P1010-S04	2	10	0	4	126.8
ME2252-P0210	2	2	0	0	86	ME2252-P1410	2	14	0	0	126.8
ME2252-S08	2	0	0	8	106.4	ME2252-S20	2	0	0	20	147.2
ME2252-P0810	2	8	0	0	106.4	ME2252-P0410-S16	2	4	0	16	147.2
ME2252-P0420	2	0	4	0	106.4	ME2252-P1010-S10	2	10	0	10	147.2
ME2252-P0410-S04	2	4	0	4	106.4	ME2252-P2010	2	20	0	0	147.2
ME2252-S14	2	0	0	14	126.8	ME2252-P0610-S26	2	6	0	26	191
ME2252-P0410-S10	2	4	0	10	126.8	ME2252-S32	2	0	0	32	191
ME2252-P0610-S08	2	6	0	8	126.8	ME2252-P0610-S32	2	6	0	32	211.4
ME2252-P0810-S06	2	8	0	6	126.8	ME2252-S38	2	0	0	38	211.4

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	150RPM	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.

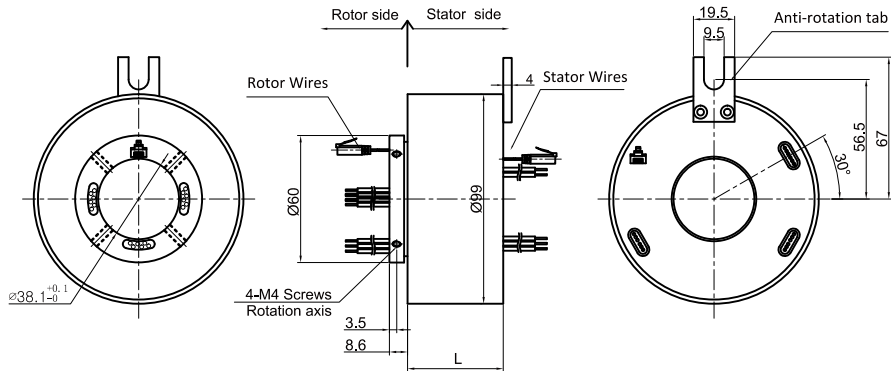
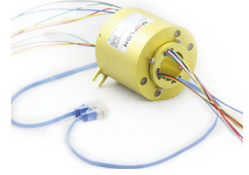
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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

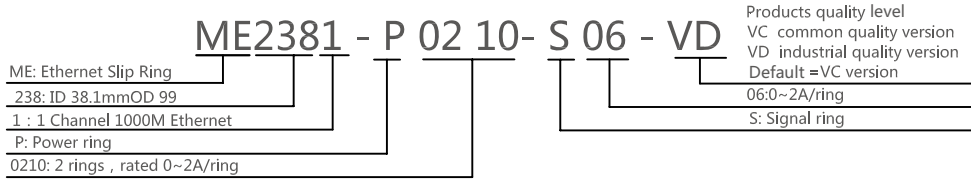
# ME2381 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 power and signal channel

ME2381, support 1 channel 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



### Specifications

Ethernet Specification	
Parameter	Value
1000M Ethernet	1 channel 1000M Ethernet
Connector	RJ45
Ber Error Rate	10E-11
Electrical Data	
Parameter	Value
	Power
Rated Voltage	0~440VAC/VDC
Insulation Resistance	≥1000MΩ/500VDC
Lead Wires	AWG16#Teflon
Lead Length	Standard 300mm(adjustable)
Dielectric Strength	500VAC@50Hz , 60s
Electrical Noise	<0.01Ω
	Signal
	0~440VAC/VDC
	≥1000MΩ/500VDC
	AWG22#Teflon
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

ME2381 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2381-S04	1	0	0	4	65.6	ME2381-P0810-S08	1	8	0	8	106.4
ME2381-P0410	1	4	0	0	65.6	ME2381-P1010-S06	1	10	0	6	106.4
ME2381-P0420	1	0	4	0	86	ME2381-S22	1	0	0	22	126.8
ME2381-S10	1	0	0	10	86	ME2381-P0410-S18	1	4	0	18	126.8
ME2381-P0210-S08	1	2	0	8	86	ME2381-P2210	1	22	0	0	126.8
ME2381-P0410-S06	1	4	0	6	86	ME2381-S28	1	6	0	28	147.2
ME2381-P0610-S04	1	6	0	4	86	ME2381-P0610-S22	1	6	0	22	147.2
ME2381-S16	1	0	0	16	106.4	ME2381-P0610-S34	1	6	0	34	191
ME2381-P1610	1	16	0	0	106.4	ME2381-S40	1	0	0	40	191
ME2381-P0410-S12	1	4	0	12	106.4	ME2381-P0610-S40	1	6	0	40	211.4
ME2381-P0610-S10	1	6	0	10	106.4	ME2381-S46	1	0	0	46	211.4

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	150RPM	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.

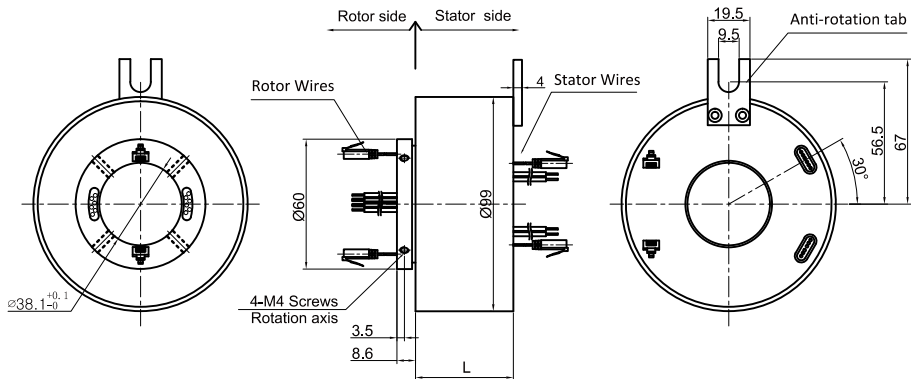
- ① Bore diameter can be customized, cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube 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](mailto:technical@moflon.com)

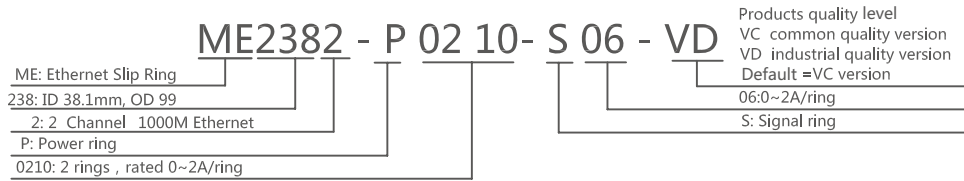
# ME2382 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 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



### Specifications

Ethernet Specification			
Parameter	Value		
1000M Ethernet	2 channels 1000M Ethernet		
Connector	RJ45		
Ber Error Rate	10E-11		
Electrical Data			
Parameter	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°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

ME2382 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2382-S02	2	0	0	2	86	ME2382-P1010-S04	2	10	0	4	126.8
ME2382-P0210	2	2	0	0	86	ME2382-P1410	2	14	0	0	126.8
ME2382-S08	2	0	0	8	106.4	ME2382-S20	2	0	0	20	147.2
ME2382-P0810	2	8	0	0	106.4	ME2382-P0410-S16	2	4	0	16	147.2
ME2382-P0420	2	0	4	0	106.4	ME2382-P1010-S10	2	10	0	10	147.2
ME2382-P0410-S04	2	4	0	4	106.4	ME2382-P2010	2	20	0	0	147.2
ME2382-S14	2	0	0	14	126.8	ME2382-P0610-S26	2	6	0	26	191
ME2382-P0410-S10	2	4	0	10	126.8	ME2382-S32	2	0	0	32	191
ME2382-P0610-S08	2	6	0	8	126.8	ME2382-P0610-S32	2	6	0	32	211.4
ME2382-P0810-S06	2	8	0	6	126.8	ME2382-S38	2	0	0	38	211.4

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	150RPM	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

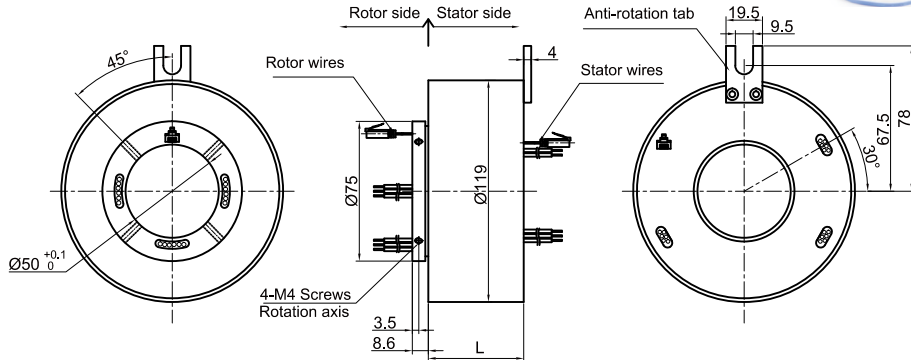
Technical support: technical@moflon.com



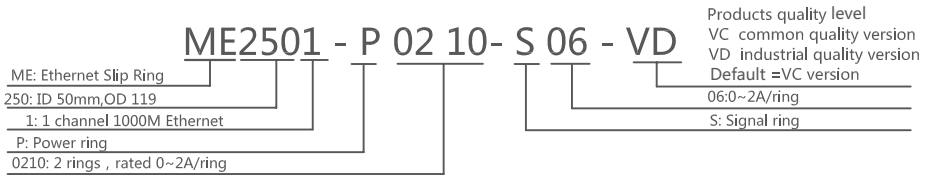
# ME2501 100M/1000M Ethernet Slip Rings

## 1 channel 1000M Ethernet+ 1~16 power and signal channel

ME2501, support 1 channel 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



### 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	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°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

ME2501 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )	Part#	1000M Ethernet	10A	20A	Signal 5A	Length ( mm )
ME2501-S04	1	0	0	4	74	ME2501-P1010-S06	1	10	0	6	120
ME2501-P0410	1	4	0	0	74	ME2501-S22	1	0	0	22	142.4
ME2501-P0420	1	0	4	0	96.8	ME2501-P0410-S18	1	4	0	18	142.4
ME2501-S10	1	0	0	10	96.8	ME2501-P1010-S12	1	10	0	12	142.4
ME2501-P0210-S08	1	2	0	8	96.8	ME2501-P2210	1	22	0	0	142.4
ME2501-P0410-S06	1	4	0	6	96.8	ME2501-P0610-S22	1	6	0	22	165.2
ME2501-P0610-S04	1	6	0	4	96.8	ME2501-P0610-S34	1	6	0	34	214.8
ME2501-P1010	1	10	0	0	96.8	ME2501-P1210-S28	1	12	0	28	214.8
ME2501-S16	1	0	0	16	120	ME2501-S40	1	0	0	40	214.8
ME2501-P1610	1	16	0	0	120	ME2501-P0610-S40	1	6	0	40	237.6
ME2501-P0410-S12	1	4	0	12	120	ME2501-S46	1	0	0	46	237.6
ME2501-P0810-S08	1	8	0	8	120						

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	150RPM	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

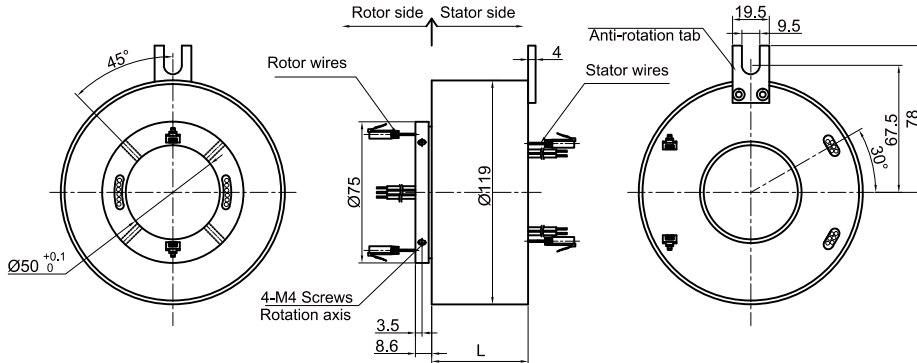
Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- 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](mailto:technical@moflon.com)

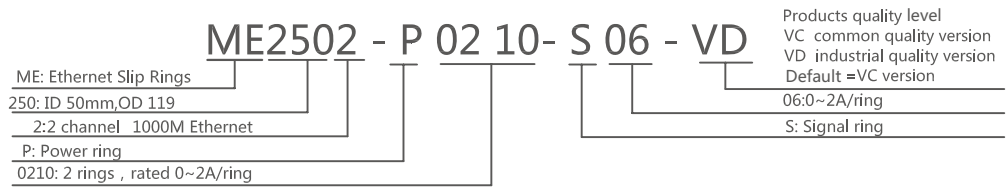
# ME2502 100M/1000M Ethernet Slip Rings

## 2 channels 1000M Ethernet+ 1~16 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



### 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	≥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°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	2	96.8	ME2502-S20	2	0	0	20	165.2
ME2502-P0210	2	2	0	0	96.8	ME2502-P0410-S16	2	4	0	16	165.2
ME2502-S08	2	0	0	8	120	ME2502-P1010-S10	2	10	0	10	165.2
ME2502-P0810	2	8	0	0	120	ME2502-P1410-S06	2	14	0	6	165.2
ME2502-P0420	2	0	4	0	120	ME2502-P2010	2	20	0	0	165.2
ME2502-P0410-S04	2	4	0	4	120	ME2502-P0610-S26	2	6	0	26	214.8
ME2502-S14	2	0	0	14	142.4	ME2502-P1210-S20	2	12	0	20	214.8
ME2502-P0610-S08	2	6	0	8	142.4	ME2502-S32	2	0	0	32	214.8
ME2502-P0410-S10	2	4	0	10	142.4	ME2502-P0610-S32	2	6	0	32	237.6
ME2502-P0810-S06	2	8	0	6	142.4	ME2501-P1210-S26	2	12	0	26	237.6
ME2502-P1410	2	14	0	0	142.4	ME2502-S38	2	0	0	38	237.6

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	150RPM	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](mailto:technical@moflon.com)