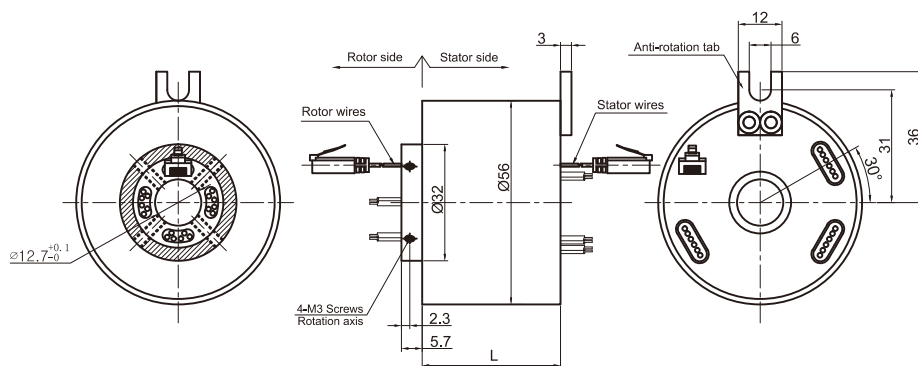


ME2121 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+1~33 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 (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	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/300VDC	
Lead Wires	AWG17#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

ME2121 Series Ethernet Slip Ring											
Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)	Part#	1000M Ethernet	10A	20A	Signal 5A	Length (mm)
ME2121-S03	1	0	0	3	54.8	ME2121-P0210-S13	1	2	0	13	88.4
ME2121-P0310	1	3	0	0	54.8	ME2121-P0410-S11	1	4	0	11	88.4
ME2121-P0420	1	0	4	0	71.5	ME2121-P0610-S09	1	6	0	9	88.4
ME2121-S09	1	0	0	9	71.5	ME2121-P0810-S07	1	8	0	7	88.4
ME2121-P0210-S07	1	2	0	7	71.5	ME2121-P1010-S05	1	10	0	5	88.4
ME2121-P0410-S05	1	4	0	5	71.5	ME2121-P1210-S03	1	12	0	3	88.4
ME2121-P0610-S03	1	6	0	3	71.5	ME2121-S21 (2A)	1	0	0	21 (2A)	105.2
ME2121-P0910	1	9	0	0	71.5	ME2121-S27 (2A)	1	0	0	27 (2A)	125
ME2121-S15	1	0	0	15	88.4	ME2121-S33 (2A)	1	0	0	33 (2A)	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	300RPM	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