

ME1222 100M/1000M Ethernet Slip Rings

2 channels 1000M Ethernet+ 1~20 power and signal

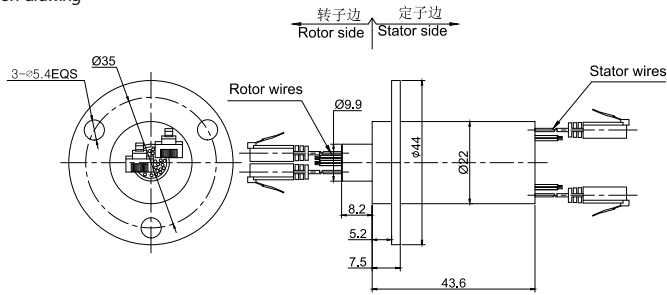
ME1222, support 2 channels 1000M ethernet slip rings, with compact OD 22mm, flange mounting, are standard, off-the-shelf, color-coded lead wires are used on both the stator and rotor for simplified electrical connections.



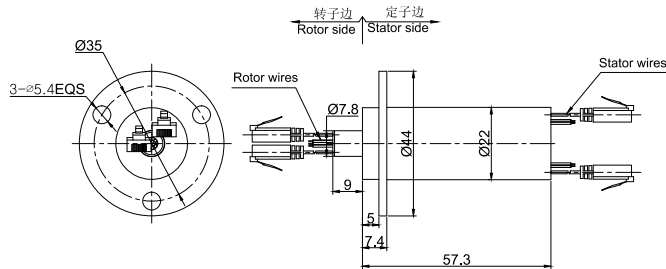
Part# Explanation

ME1222 - P 02 02- S 06 - VD		Products quality level
ME: Ethernet Slip Ring		VC common quality version
122: 1:Solid, 22: OD 22mm		VD industrial quality version
2: 2 channels 1000M Ethernet		Default =VC version
P: Power ring		06:0~2A/ring
0202: 2 rings , rated 0~2A/ring		S: Signal ring

ME1222-S08 Outline dimension drawing



ME1222-S20 Outline dimension drawing



Specifications

Ethernet Specification			
Parameter	Value		
1000M Ethernet	2 channels 1000M Ethernet		
Connector	RJ45		
Ber Error Rate	10E-11		
Electrical Data			
Parameter	Value		Signal
	Power		
Rated Voltage	0~220VAC/VDC		0~120VAC/VDC
Insulation Resistance	≥100MΩ/220VDC		≥100MΩ/150VDC
Lead Wires	AWG28#Teflon		AWG28#Teflon
Lead Length	Standard 300mm(adjustable)		
Dielectric Strength	100VAC@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
Ring	13	14	15	16	17	18	19	20	21	22	23	24
Color	BLU,BLK	BLU,WHT	BLU,BLK	BLU,GRN	BLU,YLW	BLU,RED	BLU,GRN	BRU,YLW	BRU,BLU	WHT,BLK	WHT,BLK	YLW,RED

(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