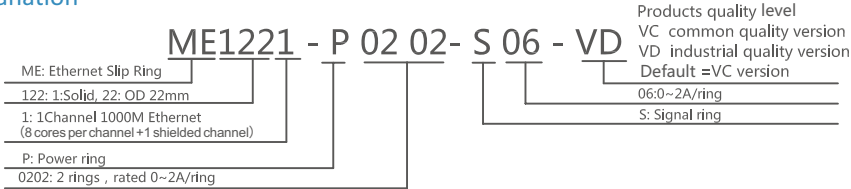# ME1221 100M/1000M Ethernet Slip Rings

1 channel 1000M Ethernet+1~27 power and signal chann

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.
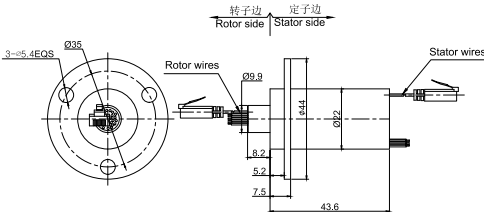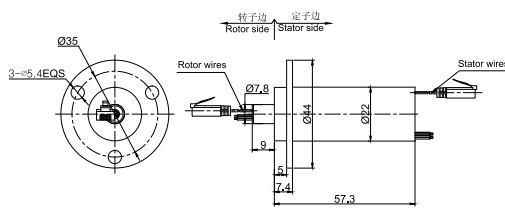
Part# Explanation

ME1221 - P 02 02- S 06 - VD

ME: Ethernet Slip Ring
122: 1:Solid, 22: OD 22mm
1: 1Channel 1000M Ethernet
(8 cores per channel +1 shielded channel)
P: Power ring
0202: 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

Outline dimension drawing

ME1221-S15

ME1221-S27

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℃~80℃
Electrical Data		Operating Humidity	0~85% RH
Parameter	Value	Contact Material	See Product Quality Level Table
	Power / Signal	Housing Material	Engineering plastics/Engineering plastics +aluminum alloy
Rated Voltage	0~220VAC/VDC / 0~120VAC/VDC		
Insulation Resistance	≥100MΩ/220VDC / ≥100MΩ/150VDC	Torque	0.1N.m, +0.03N.m/6 rings
Lead Wires	AWG28#Teflon / AAWG28# Teflon	Protection Grade	IP51
Lead Length	Standard 300mm(adjustable)		
Dielectric Strength	100VAC@50Hz,60s		
Electrical Noise	<0.01Ω		

Part# List

ME1221 Series Ethernet Slip Ring				
Part#	1000M Ethernet	4A	Signal or 2A	Length （mm）
ME1221-S15	1	0	15	43.6
ME1221-P0304-S09	1	3	9	43.6
ME1221-P0604-S03	1	6	3	43.6
ME1221-S27	1	0	27	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)

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