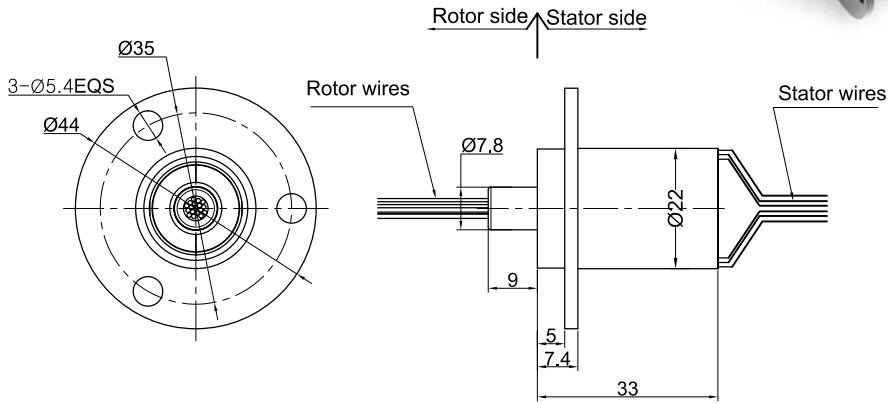


# MC330 Capsule Slip Rings

MC330 slip rings are small and compact with OD 22mm \* L 33mm, with capsule style, standard, off-the-shelf. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MC3309 is the high-end version corresponding to MC330, It has higher performance and longer working life, higher speed rotating speed, low noise.



## Part# Explanation

### MC 330(9)-FL01

MC : capsule slip ring

330 : common quality version

3309 : high-end quality version

FL01: flange type

## Part# List

MC330 Series Parts# List					
Part#	Signal/2A	4A	8A	15A	Total Wires
MC330	18	0	0	0	18
MC330-P0604-S06	6	6	0	0	12
MC330-P0308-S06	6	0	3	0	9
MC330-P0408-S02	2	0	4	0	6
MC330-P0215	0	0	0	2	2

Note: N channels 2A rings parallel can be used as 1 channel  $N \times 2A$  current. For example: 2 rings 2A parallel could be used as 1 wires 4A ,please contact sales for special requirements

## Specifications

Mechanical Data		Electrical Data		
Parameter	Value	Parameter	Value	
Working Life	See Product Quality Level Table	Power	Signal	
Rotating Speed	See Product Quality Level Table	Rated Voltage	0~220VAC/VDC	0~120VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	$\geq 100M\Omega/220VDC$	$\geq 100M\Omega/150VDC$
Operating Humidity	0~85% RH	Lead Wires	AWG28#Teflon	AWG28#Teflon
Contact Material	See Product Quality Level Table	Lead Length	Standard 300mm(adjustable)	
Housing Material	See Product Quality Level Table	Insulation Strength	500VAC@50Hz , 60s	
Torque	0.05N.m; +0.01N.m/6rings	Electrical Noise	<0.01Ω	
Protection Grade	IP51			

### Product Quality Level Table

Part#	Max Speed	Working Life	Torque	Housing Material	Electrical Noise①@10RPM
MC330	250RPM	> 5 million	0.02 N·m	Plastics	10mΩ
MC3309	1000RPM	>20 million	0.005 N·m	Metal	4mΩ

### Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	RED	GRN	YEL	VLT	GRA	BLK	BLU	DB	BRN	ORA	WHT	KHA
Ring	13	14	15	16	17	18						
Color	WHT RED	WHT BLK	WHT BLU	WHT VLT	WHT BRN	WHT GRN						

### Options for custom slip ring

- MC3309 is the high-end version corresponding to MC330.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.