

MC330 Slip Rings

OD 22.00mm(0.87"),Length 33mm(1.3")

MC260 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, See difference as below:

	Max Speed	Working life	Torque	Housing Material	Electrical noise ^① @10Rpm
MC330	250RPM	50million	0.04 N·m	Plastics	10mΩ
MC3309	1000RPM	150million	0.001 N·m	Metal	4mΩ



Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIREES
MC330	22mm*33mm	18	0	0	0	18
MC330-P0604-S06S	22mm*33mm	6	3	0	0	12
MC330-P0308-S06	22mm*33mm	6	0	3	0	9
MC330-P0408-S02	22mm*33mm	2	0	4	0	6
MC330-P0215	22mm*33mm	0	0	0	2	2

Shared Specifications

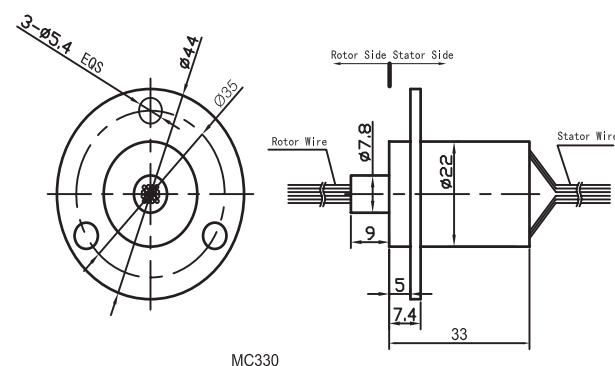
Wires	Max 18(see table as above)	Current	Signal(2A),Multiple 2A
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	22mm(0.87")	Length	33mm(1.3")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.04N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg28
Insulation resistance	1000MΩ@500VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

Notes:

- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
- 2)Lead Wire size: 2A/signal -> AWG28, 4A -> AWG22, 8A -> Awg16, 15A -> Awg14, colored code.
- 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



MC330

Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN		
3	RED	11	PINK		
4	ORN	12	AZURY		
5	YEL	13	WHT BLK		
6	GRN	14	WHT BRN		
7	BLU	15	WHT RED		
8	PURPLE	16	WHT ORG		

Options

- 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.

Application

Typical Application

- CCTV Monitoring System.
- Electrical test equipment.
- Medical equipment.
- Rotary table
- Robotics
- Laboratory equipmen
- Manufacturing and process control equipment