

MMC250 Slip Rings

OD 12.50mm(0.49"), Length 25mm(0.98"), 12wires* 2A(signal)

MMC250 slip rings are small and compact with OD 12.5mm * L 25mm, 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.

MMC2509 is the high-end version corresponding to MMC250, See difference as below:



	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MMC250	250RPM	50million	0.02 N·m	Plastics	10mΩ
MMC2509	800RPM	150million	0.005 N·m	Metal	4mΩ

Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES	DOWNLOAD
MMC250	12.5mm*25mm	12	0	0	0	12	

Shared Specifications

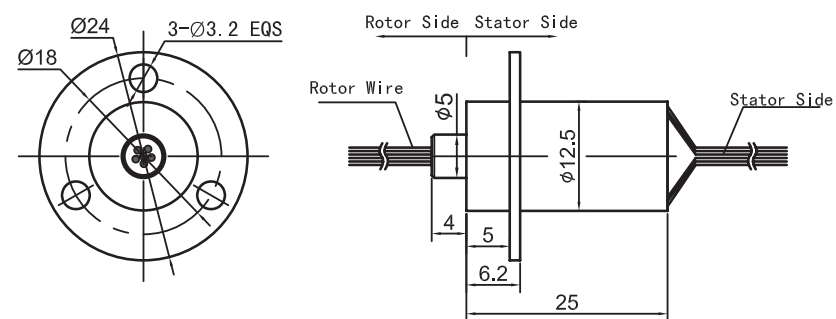
Wires	12(see table as above)	Current	Signal(2A)
Voltage	240 VDC/VAC	Max speed	250RPM
Overall diameter	12.5mm(0.49")	Length	25mm(0.98")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.02N.m
Working life	50million	Electrical noise	<10mΩ
Dielectric strength	600VDC@50Hz	Lead Wire	UL Teflon® Awg30
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 -> AWG30, colored code.
- 3)Electrical noise is dependent upon the rotating speed and current,voltage.

Drawings

Standard drawings:



MMC250

Lead wire Color codes

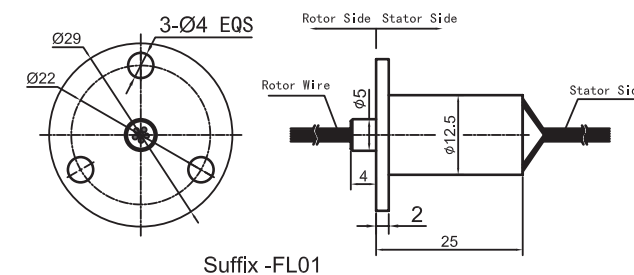
Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	3	RED	5	YEL
2	BRN	4	ORN	6	GRN
7	BLU	9	GRY	11	PINK
8	PURPLE	10	WHT	12	AZURY

Optional Flanges drawings:

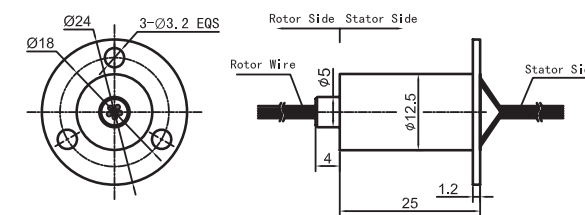
At sometimes, we need a different flange for mounting instead, how should we do?

Great! Moflon supply many flange style as below:

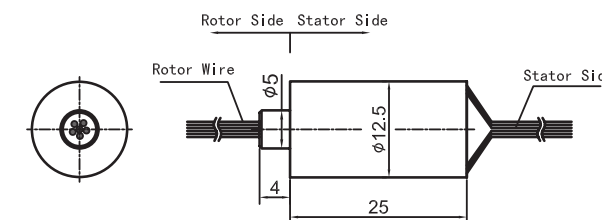
(when you order, pls add FL01 ... FL03 at the suffix of Part#, for example: MMC250-12S-FL01 means MMC250-12S with optional flange FL01.)



Suffix -FL01



Suffix -FL02



Suffix -FL03

