

## MMC397 Slip Rings

**OD 15.50mm(0.59"), Length 29.7mm(1.56"), 24wires\* 2A(signal)**

MMC397 slip rings are small and compact with OD 12.5mm \* L 39.7mm, 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.

MMC3979 is the high-end version corresponding to MMC397, See difference as below:



	Max Speed	Working life	Torque	Housing Material	Electrical noise① @10Rpm
MMC397	150RPM	50million	0.06 N·m	Plastics	10mΩ
MMC3979	600RPM	150million	0.01 N·m	Metal	4mΩ

### Specifications

PART #	OD * L	SIGNAL/2A	4A	8A	15A	TOTAL WIRES	DOWNLOAD
MMC397-S24	12.5mm*39.7mm	24	0	0	0	24	
MMC397-P0215	12.5mm*39.7mm	0	0	0	2	2	

### Shared Specifications

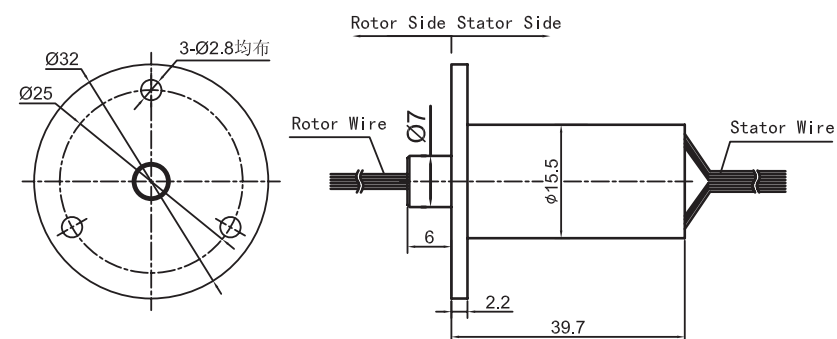
Wires	24(see table as above)	Current	Signal(2A)
Voltage	240 VDC/VAC	Max speed	150RPM
Overall diameter	15.5mm(0.59")	Length	39.7mm(1.56")
Contact Material	Precious Metal:gold-gold	Contact Resistance	<150mOhm(AWG28#,250mm)
Housing Material	Plastics	Torque	0.02N.m
Working life	50million	Electrical noise	<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:



### Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	9	GRY	17	WHT YEL
2	BRN	10	ORN	18	WHT GRN
3	RED	11	PINK	19	WHT BLU
4	ORN	12	AZURY	20	WHT PURPLE
5	YEL	13	WHT BLK	21	WHT GRY
6	GRN	14	WHT BRN	22	CRY STAL
7	BLU	15	WHT RED	23	BLK RED
8	PURPLE	16	WHT ORG	24	WHT BRN