

MMC397 Miniature Capsule Slip Rings

OD 15.5mm

MMC397 slip rings are small and compact with OD 15.5mm * L 34.1mm, 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, It has higher performance and longer working life, higher speed rotating speed, low noise.



Part# Explanation

MMC 397(9)-FL01

MMC:miniature capsule slip ring
397:comon quality version
3979:high-end quality version

FL01:flange type

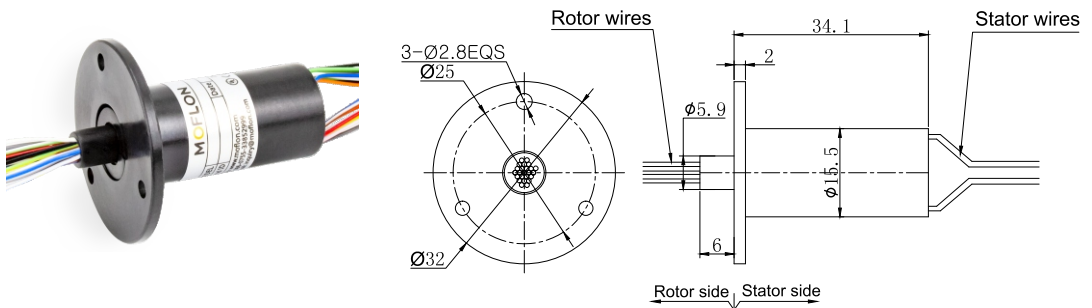
Part# List

MMC397 Series Parts# List		
Part#	Signal/2A	Total Wires
MMC397	24	24

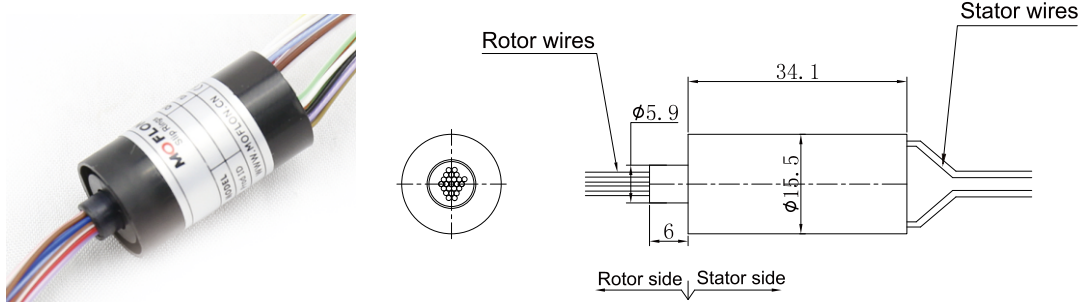
Note:N channels 1A rings parallel can be used as 1 channel N × 1A current. For Example: 2 rings 1A parallel could be used as 1 wires 2A ,please contact sales for special requirements

Dimensions

MMC397 Standard Model



MMC397 Without Flange Model



Specification

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥100MΩ/500VDC	≥100MΩ/500VDC
Lead Wires	AWG#30 teflon	AWG#28 teflon
Lead Length	Standard 300mm(adjustable)	
Electrical Noise	<0.01Ω	
Mechanical Data		
Parameter	Value	
Working Life	See Product Quality Level Table	
Rotating Speed	See Product Quality Level Table	
Working Temperature	-30°C~80°C	
Operating Humidity	0~85% RH	
Contact Material	See Product Quality Level Table	
Housing Material	See Product Quality Level Table	
Torque	0.005N.m; +0.02N.m/6rings	
Protection Grade	IP51	

Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise①@10RPM
MMC397	250RPM	>10 million	Plastics	10mΩ
MMC3979	1000RPM	>20 million	Plastics	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT
Ring	13	14	15	16	17	18	19	20	21	22	23	24
Color	WHT RED	WHT BLK	WHT BLU	WHT PURPLE	WHT BRN	WHT GRN	WHT ORN	WHT YEL	WHT GRA	BLK RED	BLK BLU	YEL GRN

Options for custom slip ring

- MMC3979 is the high-end version corresponding to MMC397.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.