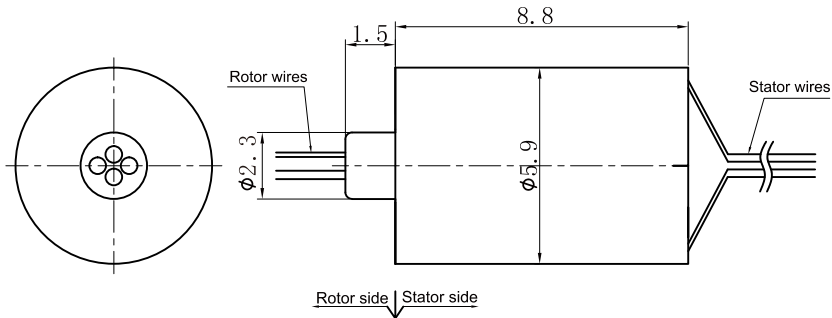


# MMC088 Miniature Capsule Slip Rings

## OD 5.9mm 4 circuits , 1A each circuit

MMC088 slip rings are small and compact with OD 5.9mm \* L 8.8mm, 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.

MMC0889 is the high-end version corresponding to MMC088, It has higher performance and longer working life, higher speed rotating speed, low noise.



### Part# Explanation

## MMC 088(9)

MMC:miniature capsule slip ring  
 088:common quality version  
 0889:high-end quality version

### Specification

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC
Insulation Resistance	≥100MΩ/150VDC	≥100MΩ/150VDC
Lead Wires	AWG#32 teflon	AWG#32 teflon
Lead Length	Standard 300mm(adjustable)	
Dielectric Strength	500VAC@50Hz , 60s	
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	

### Part# List

MMC088 Series Parts# List		
Part#	Signal/1A	Total Wires
MMC088-S02	2	2
MMC088-S04	4	4

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

### Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise①@10RPM
MMC088	250RPM	>10 million	Plastics	10mΩ
MMC0889	1000RPM	>30 million	Plastics	4mΩ

### Lead Wires Color Code

Ring	1	2	3	4
Color	BLK	RED	YEL	GRN

### Options for custom slip ring

- MMC0889 is the high-end version corresponding to MMC088.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.