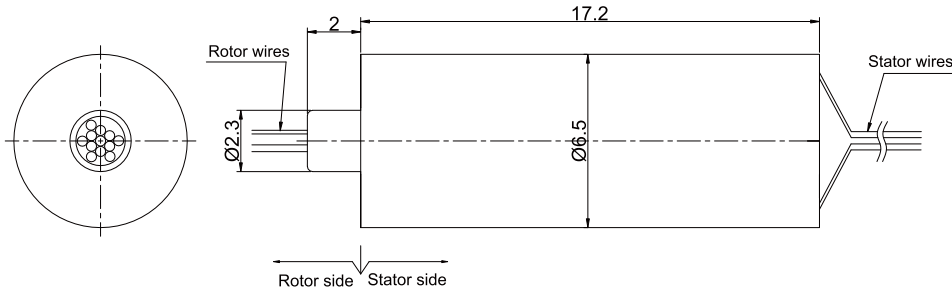
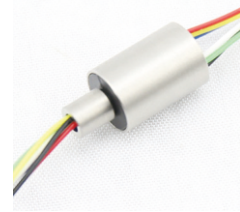


MMC172 Miniature Capsule Slip Rings

OD 6.5mm, 1~12Circuit

MMC172 slip rings are small and compact with OD 6.5mm * L 17.2mm, 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. MMC1729 is the high-end version corresponding to MMC172, It has higher performance and longer working life, higher speed rotating speed, low noise.



Part# Explanation

MMC 172(9)

MMC:miniature capsule slip ring
 172:common quality version
 1729: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)	
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

MMC172 Series Parts# List		
Part#	Signal/1A	Total Wires
MMC172-S10	10	10
MMC172-S12	12	12

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

Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise①@10RPM
MMC172	250RPM	> 10 million	Plastics	10mΩ
MMC1729	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	YLK	GRN	BLU	WHT	BN	OG	PL	GY	BU	PK

Options for custom slip ring

- MMC1729 is the high-end version corresponding to MMC172.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.