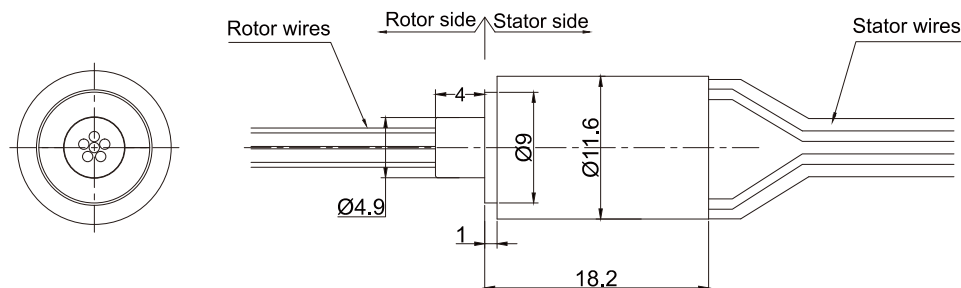


MMC181 Miniature Capsule Slip Rings

OD 11.6mm

MMC181 slip rings are small and compact with OD 11.6mm * L 18.2mm, 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. MMC181 is the high-end version corresponding to MMC181, It has higher performance and longer working life, higher speed rotating speed, low noise.



Part# Explanation

MMC 181(9)-FL01

MMC:miniature capsule slip ring
181:common quality version
1819:high-end quality version

FL01: flange type

Specification

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~220VAC/VDC	0~120VAC/VDC
Insulation Resistance	≥100MΩ/500VDC	≥100MΩ/500VDC
Lead Wires	AWG#24 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℃~80℃	
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

MMC182 Series Part# List			
Part#	4A	Signal/2A	Total Wires
MMC181-S06	0	6	6
MMC181-p0604	6	0	6

Note: N channels 2A rings parallel can be used as 1 channel $N \times 2A$ current. For example: 2 rings 2A parallel could be used as 1 wires 4A please contact sales for special requirements

Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise①@10RPM
MMC181	250RPM	>10 million	Plastics	10mΩ
MMC1819	1000RPM	>20 million	Plastics	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6
Color	BLK	RED	YEL	GRN	BLU	WHT

Options for custom slip ring

- MMC1829 is the high-end version corresponding to MMC182.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.