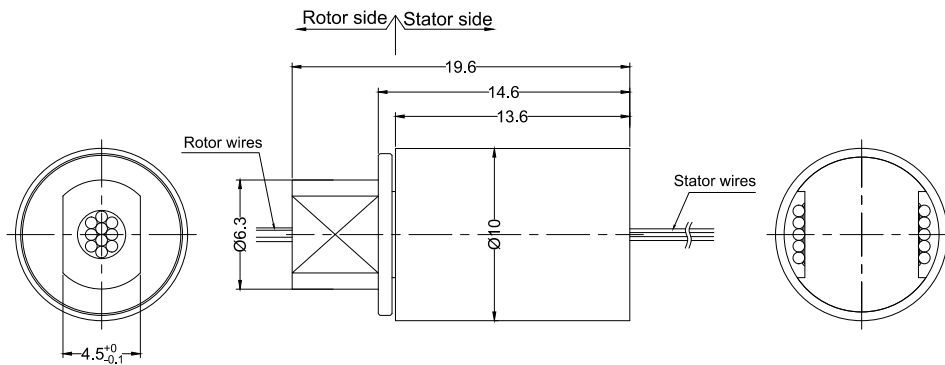# MMC146 Split electric slip ring

OD 10mm,1~10Circuit

MMC146 slip rings are small and compact with OD 10mm * L 19.6mm, 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.

MMC1469 is the high-end version corresponding to MMC146, It has higher performace and longer working life, higher speed rotating speed,low noise.

Part# Explanation

MMC 146(9)

MMC:miniature capsule slip ring
146:common quality version
1469:high-end quality version

Specification

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~120VAC/VDC	0~120VAC/VDC
Insulation Resistance	≥100MΩ/120VDC	≥100MΩ/120VDC
Lead Wires	AWG#28 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

MMC146 Series Parts# List		
Part#	Signal/2A	Total Wires
MMC146	10	10

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
MMC146	250RPM	>10 million	Plastic	10mΩ
MMC1469	1000RPM	>20 million	Plastic	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10
Color	RED	GN	YL	PL	GY	BK	BU	BN	OG	WT

Options for custom slip ring

· MMC1469 is the high-end version corresponding to MMC146.

· Optional flange mounting.

· Specified connectors and Heat-shrink tube.

· Longer lead lengths available.

· High temperature is optional.

· Military Grade.