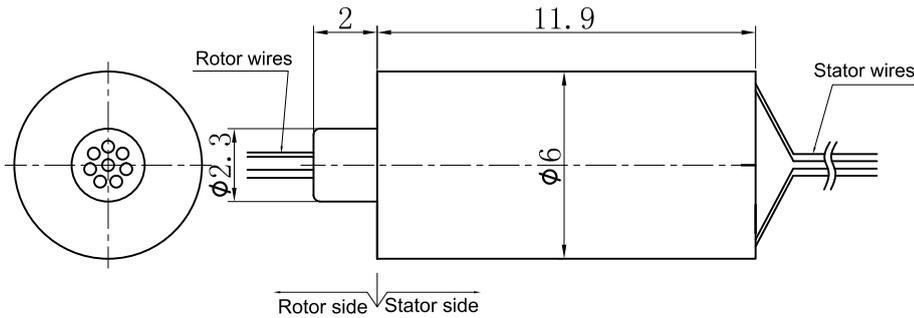


MMC118 Miniature Capsule Slip Rings

OD 6mm, 1~8Circuit

MMC118 slip rings are small and compact with OD 6mm * L 11.9mm, 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. MMC1189 is the high-end version corresponding to MMC118, It has higher performance and longer working life, higher speed rotating speed, low noise.



Part# Explanation

MMC 118(9)

MMC:miniature capsule slip ring
 118:common quality version
 1189: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

MMC118 Series Parts# List		
Part#	Signal/1A	Total Wires
MMC118-S02	2	2
MMC118-S04	4	4
MMC118-S06	6	6
MMC118-S08	8	8

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
MMC118	250RPM	>10 million	Plastics	10mΩ
MMC1189	1000RPM	>20 million	Plastics	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8
Color	BLK	RED	YEL	GRN	BLU	WHT	ORG	PUR

Options for custom slip ring

- MMC1189 is the high-end version corresponding to MMC118.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.