

MMC195 Miniature Capsule Slip Rings

OD 12.5mm

MMC195 slip rings are small and compact with OD 12.5mm * L 19.5mm, 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.

MMC1959 is the high-end version corresponding to MMC195, It has higher performance and longer working life, higher speed rotating speed, low noise.



Part# Explanation

MMC 195(9)-FL01

MMC: miniature capsule slip ring

195: common quality version

1959: high-end quality version

FL01: flange type

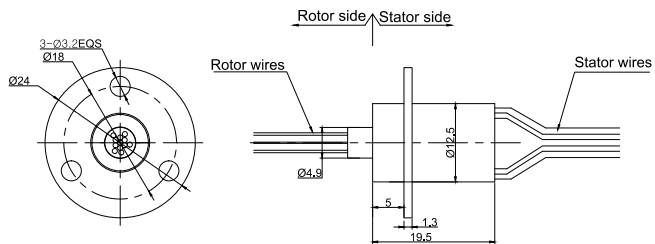
Part# List

MMC195 Series Parts# List		
Part#	Signal/1A	Total Wires
MMC195	12	12

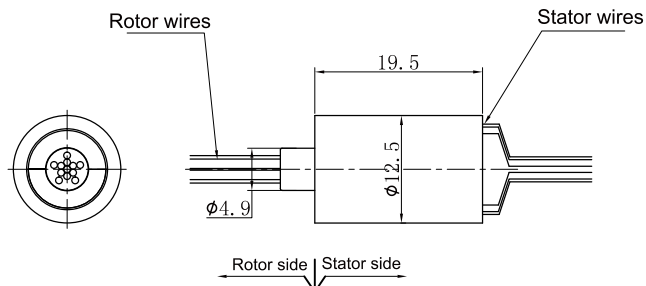
Note: N channels 1A rings parallel can be used as 1 channel N × 1A current. For Example: 2 rings 1A parallel could be used as 1 wire 2A ,please contact sales for special requirements

Dimensions

MMC195 Standard Model



MMC195 Without Flange Model



Specification

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~220VAC/VDC	0~120VAC/VDC
Insulation Resistance	≥100MΩ/220VDC	≥100MΩ/150VDC
Lead Wires	AWG#28 teflon	AWG#28 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

Product Quality Level Table

Part#	Max Speed	Working Life	Housing Material	Electrical Noise@10RPM
MMC195	250RPM	>10 million	Plastics	10mΩ
MMC1959	1000RPM	>30 million	Plastics	4mΩ

Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YEL	GRN	BLU	WHT	BLK	RED	YEL	GRN	BLU	WHT

Options for custom slip ring

- MMC1959 is the high-end version corresponding to MMC195.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.