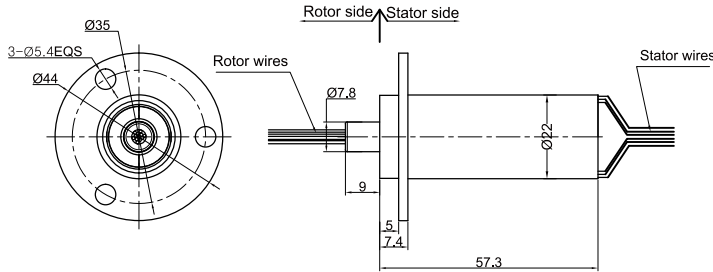


# MC573 Capsule Slip Rings

MC573 slip rings are small and compact with OD 22mm \* L 57.3mm, with capsule style, 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. MC5739 is the high-end version corresponding to MC573, It has higher performance and longer working life, higher speed rotating speed, low noise.



## Part# Explanation

### MC 573(9)-FL01

MC : capsule slip ring

573 : common quality version  
5739 : high-end quality version

FL01: flange type

## Part# List

MC573 Series Parts# List					
Part#	Signal/2A	4A	8A	15A	Total Wires
MC573	36	0	0	0	36

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

## Specifications

Mechanical Data		Electrical Data		
Parameter	Value	Parameter	Value	
Working Life	See Product Quality Level Table	Power	Signal	
Rotating Speed	See Product Quality Level Table	Rated Voltage	0~220VAC/VDC	0~120VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	≥100MΩ/220VDC	≥100MΩ/150VDC
Operating Humidity	0~85% RH	Lead Wires	AWG28#Teflon	AWG28#Teflon
Contact Material	See Product Quality Level Table	Lead Length	Standard 300mm(adjustable)	
Housing Material	See Product Quality Level Table	Insulation Strength	500VAC@50Hz , 60s	
Torque	0.05N.m; +0.01N.m/6rings	Electrical Noise	<0.01Ω	
Protection Grade	IP51			

## Product Quality Level Table

Part#	Max Speed	Working Life	Tourque	Housing Material	Electrical noise@10RPM
MC573	250RPM	>5 million	0.02 N-m	Plastics	10mΩ
MC5739	1000RPM	>20 million	0.005 N-m	Metal	4mΩ

## Lead Wires Color Code

Ring	1/2	3/4	5/6	7/8	9/10	11/12	13/14	15/16	17/18	19/20	21/22	23/24
Color	RED	GRN	YEL	VLT	GRA	BLK	BLU	DB	BRN	ORN	WHT	KHA
Ring	25/26	27/28	29/30	31/32	33/34	35/36						
Color	WHT RED	WHT BLK	WHT BLU	WHT VLT	WHT GRA	WHT GRN						

## Options for custom slip ring

- MC5739 is the high-end version corresponding to MC573.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.