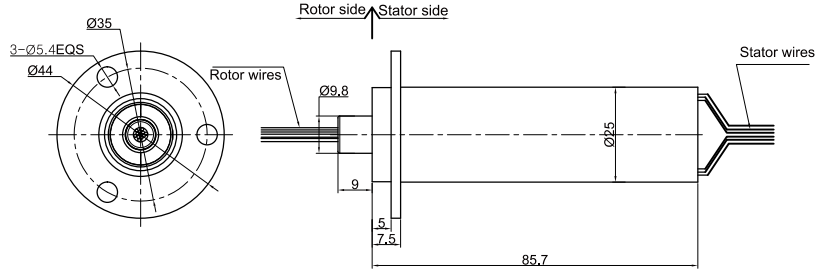


# MC857 Capsule Slip Rings

MC857 slip rings are small and compact with OD 25mm \* L 85.7mm, 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. MC8579 is the high-end version corresponding to MC857, It has higher performance and longer working life, higher speed rotating speed, low noise.



## Part# Explanation

# MC 857(9)

MC : capsule slip ring  
 857 : common quality version  
 8579 : high-end quality version

## Part# List

MC857 Series Parts# List					
Part#	Signal/2A	4A	8A	15A	Total Wires
MC857	56	0	0	0	56

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	Torque	Housing Material	Electrical Noise@10RPM
MC857	250RPM	>4 million	0.02 N-m	Plastics	10mΩ
MC8579	1000RPM	>15 million	0.005 N-m	Metal	4mΩ

## Lead Wires Color Code

Ring	1/4	5/8	9/12	13/16	17/20	21/24	25/28	29/32	33/36	37/40	41/44	45/48
Color	RED	GRN	YEL	VLT	GRA	BLK	BLU	DB	BRN	ORN	WHT	KHA
Ring	49/52	53/56										
Color	WHT RED	WHT BLK										

## Options for custom slip ring

- MC8579 is the high-end version corresponding to MC857.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.