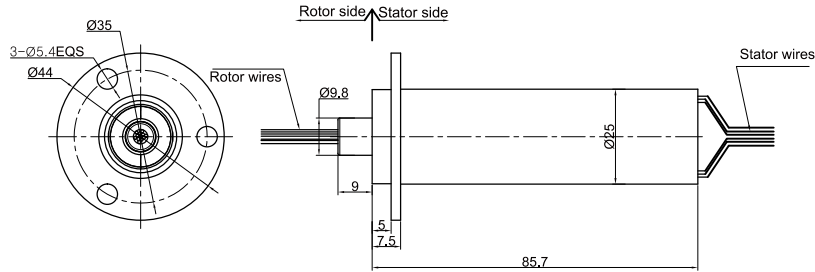


# MC857 Capsule Slip Rings

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	0~240VAC/VDC	0~240VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	≥600MΩ/500VDC	≥600MΩ/500VDC
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	>20 million	0.02 N-m	Plastics	10mΩ
MC8579	1000RPM	>100 million	0.005 N-m	Metal	4mΩ

## Lead Wires Color Code

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

## 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.