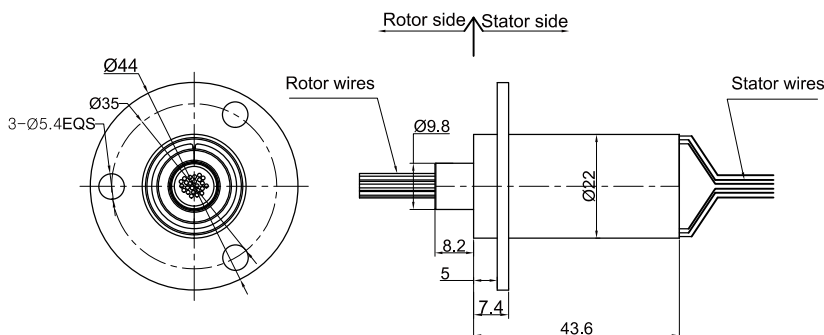


MC400 Capsule Slip Rings

MC400 slip rings are small and compact with OD 22mm * L 43.6mm, 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.

MC4009 is the high-end version corresponding to MC400, It has higher performance and longer working life, higher speed rotating speed, low noise.



Part# Explanation

MC 400(9)-FL01

MC : capsule slip ring

400 : common quality version

4009 : high-end quality version

FL01: flange type

Part# List

MC400 Series Parts# List					
Part#	Signal/2A	4A	8A	15A	Total Wires
MC400	24	0	0	0	24
MC400-P0304-S18	18	3	0	0	21
MC400-P0604-S12	12	6	0	0	18
MC400-P0804-S08	8	8	0	0	16
MC400-P0308-S08	8	0	3	2	13
MC400-P0408-S04	4	0	4	0	8
MC400-P0508	0	0	5	0	5
MC400-P0215-S06	6	0	0	2	8
MC400-P0315	0	0	0	3	3

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 Noise①@10RPM
Mc400	250RPM	> 5 million	0.02 N·m	Plastics	10mΩ
MC4009	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
Color	RED	GRN	YEL	VLT	GRA	BLK	BLU	DB	BRN	ORA	WHT	KHA
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	WHT ORN	WHT YEL	WHT GRA	BLK RED	BLK BLU	YEL GRN

Options for custom slip ring

- MC4009 is the high-end version corresponding to MC400.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.