

MZ060 Series

Body Diameter 60mm, Rotor Flange Mounting

Mz060 series provides flange for rotor installation or end of shaft for installation, and a compact 60mm body diameter, features long life, fiber brush contact technology for ultimate performance in many challenging applications.

MZ060 series can support shielding wires on request, and shield rings inside, special for encoder signal and servo motor control signal



Specifications

Circuits	1~24(see next page)	Current	Signal(2A),10A/Rings
Voltage	600 VDC/VAC	Max speed	1000RPM

Housing Material	Aluminium Alloy	Torque	0.1N/m for 6rings, additional 6rings +0.03N/m
Working life	>120million revolutions	Contact material	Precious Metal:Gold-Gold
Electrical noise	<5 mOhm	Contact Resistance	<3mOhm
Dielectric strength	800VDC@50Hz	Lead Wire	UL Teflon® Awg22,Awg16
Insulation resistance	1000MΩ@600VDC	Lead Lengths	300mm(12")
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibratio	MIL-SID-810E	Humidity	10% to 85% RH
Materials	Lead Free,RoHS compliant	Certified	YES

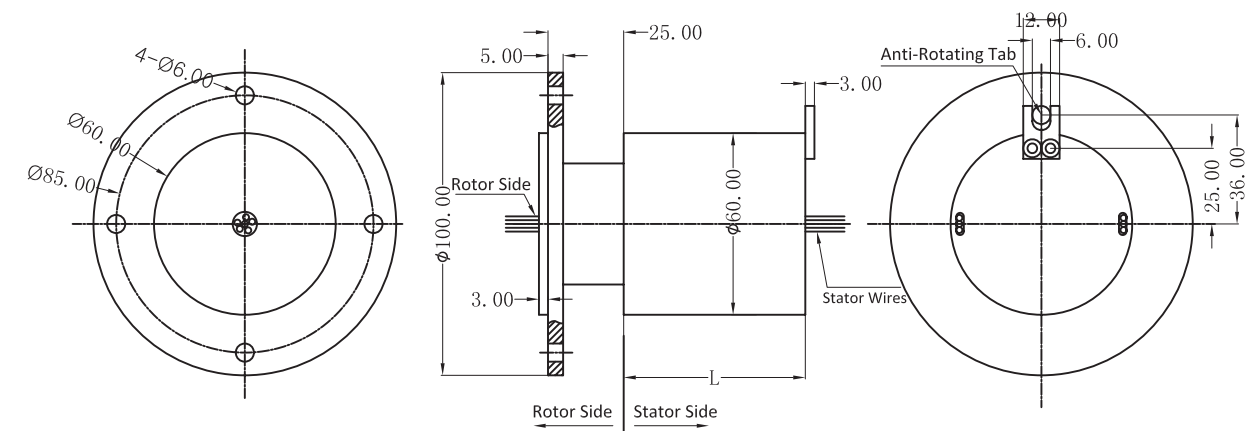
Lead wire Color codes

Rings#	Color Code	Rings#	Color Code	Rings#	Color Code
1	BLK	5	YEL	9	GRY
2	BRN	6	GRN	10	WHT
3	RED	7	BLU	11	PINK
4	ORN	8	PURPLE	12	AZURY

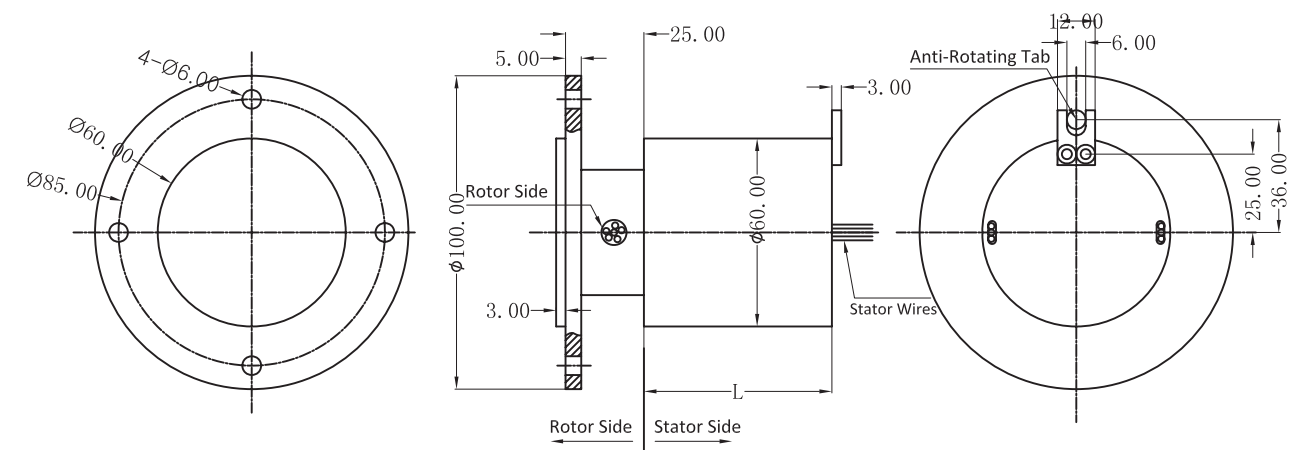
12 wires for one group color. from 13 ... 24, repeat the same color as 1 ... 12, Color Goups are indicated with number code pipe.

Drawings

Standard drawings:



Optional rotor wires exit(FL01):



Parts List

***Please note: 10A rings parallel can be used as multiple 10A current.
For Example: 2 rings parallel could be used as 1 wires 20A**

MZ06006 (Length=46mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MZ06006-0600	6	0	MZ06006-0006	0	6
MZ06006-0204	2	4	MZ06006-0402	4	2

MZ06012 (Length=62.8mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MZ06012-1200	12	0	MZ06012-0012	0	12
MZ06012-0210	2	10	MZ06012-0408	4	8
MZ06012-0606	6	6	MZ06012-0804	8	4
MZ06012-1002	10	2			

MZ06018 (Length=79.5mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MZ06018-1800	18	0	MZ06018-0018	0	18
MZ06018-0216	2	16	MZ06018-0414	4	14
MZ06018-0612	6	12	MZ06018-0810	8	10
MZ06018-1008	10	8	MZ06018-1206	12	6
MZ06018-1404	14	4	MZ06018-1602	16	2

MZ06024 (Length=96.4mm)					
Parts#	Power 10A	signal/2A	Parts#	Power 10A	signal/2A
MZ06024-2400	24	0	MZ06024-0024	0	24
MZ06024-0618	6	18	MZ06024-1212	12	12
MZ06024-1806	18	6			