

## MW100 Slip Rings

MW100 slip rings, specially designed for 100A, multiple 100A current applications, specially used on wind turbine, can combine with signal rings, Pneumatic/Hydraulic Channel, and so on, provide the performance and quality needed in demanding environments. Costly downtime is eliminated by using fiber brushes and robust mechanical components in the slip ring design.



### Specifications

PART #	LENGTH *OD(MM)	SIGNAL /5A	CURRENT	TOTAL WIRES	PART #	LENGTH *OD(MM)	SIGNAL /5A	CURRENT	TOTAL WIRES
MW100-P01100-S04	106*100	4	1 wires*100A	5	MW100-P02100-S04	106*100	4	2 wires*100A	6
MW100-P03100-S04	106*100	4	3 wires*100A	7	MW100-P04100-S04	106*100	4	4 wires*100A	8
MW100-P05100-S04	136*100	4	5 wires*100A	9	MW100-P06100-S04	166*100	4	6 wires*100A	10
MW100-P03200-S04	150*185	4	3 wires*200A	7	MW100-P04200-S04	180*185	4	4 wires*200A	8
MW100-P05200-S04	210*185	4	5 wires*100A	9	MW100-P06200-S04	240*185	4	6 wires*200A	10
MW100-P03300-S04	170*185	4	3 wires*300A	7	MW100-P04300-S04	210*185	4	4 wires*300A	8
MW100-P01500-S04	47*60	4	1 wires*500A	5	MW100-P02500-S04	180*245	4	2 wires*500A	6
MW100-P03500-S04	240*245	4	3 wires*500A	7	MW100-P04500-S04	290*245	4	4 wires*500A	8

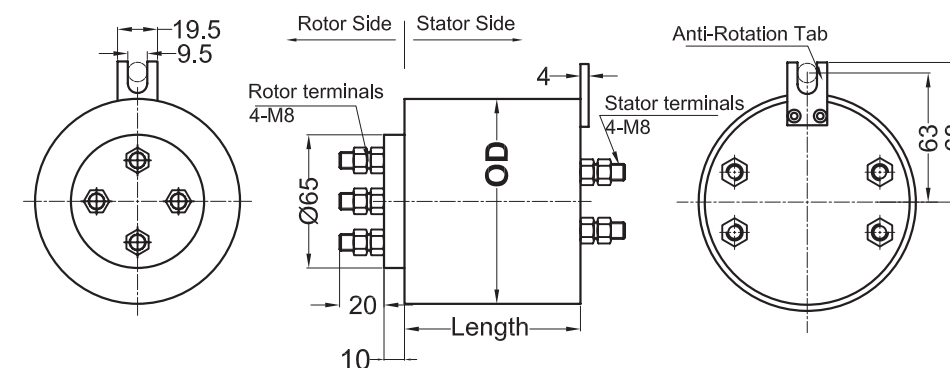
### Shared Specifications

Rings	1-10(see table as above)	Current	Signal(2A).100A.Multiple 100A
Voltage	600 VDC/VAC	Max speed	100RPM
Housing Material	Aluminium Alloy	Torque	5N.m
Working life	50million revolutions	Contact Material	Precious Metal
Dielectric strength	1000VDC@50Hz	Lead Wire	UL Teflon®
Insulation resistance	1000MΩ@600VDC	Lead Lengths	250mm
Operating Temp.	-40°C to 80°C	Protection	IP51
Mechanical vibration	MIL-SID-810E	Humidity	10% to 90% RH
Materials	Lead Free,RoHS compliant	CE Certified	YES

#### Notes:

- 1)The operational life of the unit is dependent upon rotational speed, environment and temperature.
- 2)Electrical noise is dependent upon the rotating speed and current,voltage.

### Drawings



### MW100

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

### 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

### Options

- ▶ Optional flange mounting.
- ▶ Specified the wire exit direction.
- ▶ Can combine more wires:1-120Ring
- ▶ Specified connectors and Heat-shrink tube.
- ▶ Longer lead lengths available.
- ▶ Shielded cables
- ▶ Connectors
- ▶ Environmentally Sealed up to IP68@4Mpa
- ▶ Frequencies up to 500 MHz
- ▶ High-speed data transmission for fast Ethernet and EtherCat
- ▶ Signal, Coax, and Power combinations
- ▶ High Speed up to 20,000 rpm
- ▶ Thermocouples
- ▶ Shock, Vibration, and Temperature Qualified
- ▶ Pneumatic/Hydraulic Capability
- ▶ High temperature---up to 450 degree
- ▶ High Voltage & large Current(1000A)
- ▶ IP65,IP68 are available.
- ▶ Military Grade.

### Build On Request

#### how to build on request?

MOFLON specialize in customized solutions, Now our models have over 12000, and over 80% model are customized on customer request and base on technology and full experience, our slip ring solution including traditional carbon brush, gold wire contact, gold fiber brush contact, no contact transmit, each solution application depend on the customer real application request with economically, high quality and reliability.

MOFLON supply build-on-request service base on MW100 series, the delivery time of build-on-request is 2 weeks, and price is only 10%~30% more than the standard version.

Now, Let's start - how to build on request?

For example:

Please describe the following special requirements:Length restrict, height restrict, other size restrict,wire exit direction, lead wire length,connectors,high temperature,large current,military grade, and some other options, and Send email to us: technical@moflon.com.

