

# MW5045 Series Slip Rings

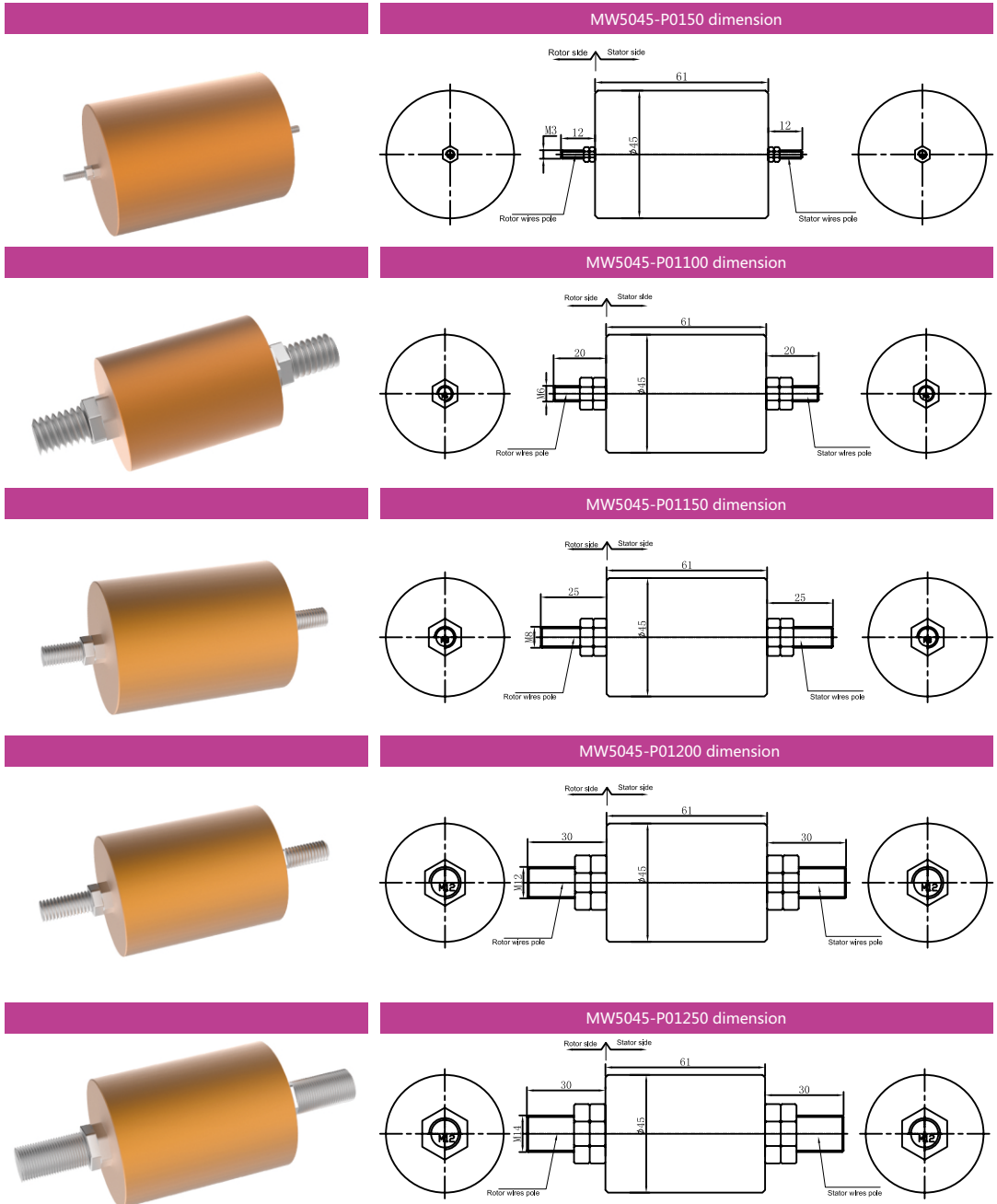
MW5045 series is terminal large current slip ring with signal wire; the current can be 50A/100A/200A/500A. Advantages: small size, light weight, large current-carrying. This series slip ring is suitable for the occasion where single big current is needed, such as welding, electroplating industry, etc.

## Part# Explanation

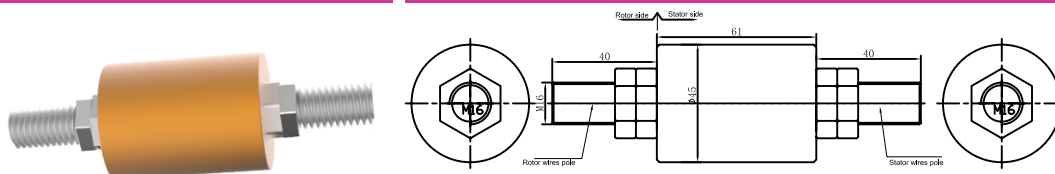
### MW 5045 - P0150

MW:large current series slip ring  
5 : exit with terminals  
045: outer diameter 45mm

P0150 : P-Power ring,  
01-1 ring 50-50A/ring



MW5045-P01500 dimension



### Part# List

MW5045 power slip ring(single way) series part list							
Part#	50A	100A	150A	200A	250A	500A	1000A
MW5045-P0150	1	0	0	0	0	0	0
MW5045-P01100	0	1	0	0	0	0	0
MW5045-P01150	0	0	1	0	0	0	0
MW5045-P01200	0	0	0	1	0	0	0
MW5045-P01250	0	0	0	0	1	0	0
MW5045-P01500	0	0	0	0	0	1	0
MW5045-P011000	0	0	0	0	0	0	1

Note:1) N channels 10A rings parallel can be used as 1 channel N\*10A current. For example: 2 rings 10A parallel could be used as 1 wires 20A  
 2) Current value can be customized, please contact customer service for more details.

### Specification

Mechanical Data		Electrical Data	
Parameter	Value	Parameter	Value
Working Life	20 Million revs		Power
Rotating Speed	250RPM	Rated Voltage	0~690VAC/VDC
Working Temperature	-30°C~80°C	Insulation Resistance	≥1000MΩ/500VDC
Operating Humidity	0~85% RH	Lead Wires	terminal
Contact Material	precious metal	Lead Length	Standard 300mm
Housing Materia	aluminium alloy	Dielectric Strength	500VAC@50Hz , 60s
Torque	0.1N.m ; +0.03N.m/6rings	Electrical Noise	<0.01Ω
Protection Grade	IP51		

### Options for custom slip ring

Note: Below special demands can be customized. According, the delivery date will be extended 3 to 15 days; also the cost will be increased 30% to 50%. Most of our basic parts are standard and modular, which can save the cost and lead time.

- ① Cable exit way and cable length can be customized for both rotor and stator.
- ② Because of the structure limitation, length/height/OD can be customized on your request.
- ③ Support current or signal up to 200 rings.
- ④ Aviation plug, terminal and heat-shrink tube are optional.
- ⑤ Hybrid slip ring for Yaskawa/Panasonic/Siemens servo control signal, power line and encoder line.
- ⑥ Support mixed high speed data transmission (including Ethernet, USB, RS232, RS485, Profibus, CanBUS, CANOPEN, DeviceNET, CC-LINK, ProfiNET, EtherCAT, etc.)
- ⑦ Can combine temperature control signal with thermocouple signal.
- ⑧ Special environment can be customized, such as quakeproof, high temperature, etc.
- ⑨ Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.
- ⑩ High temperature can up to 500 degrees.
- ⑪ High pressure can up to 110KV
- ⑫ Rotating speed can up to 10000RPM
- ⑬ Maximum current can up to 5000 amperes.
- ⑭ Military grade
- ⑮ Optional for underwater IP65, IP68.
- ⑯ Optional for stainless steel housing

Technical support: technical@moflon.com