

MW5045 series slip rings

MW5045 series is terminal large current slip ring with signal wire; the current can be 100A/150A/250A/350A/500A/1000A. 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 5 045 - P01100

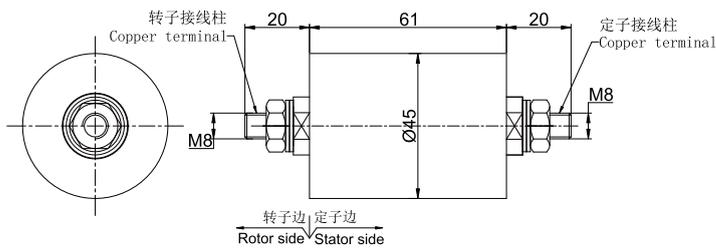
MW: Large current series slip ring

5: Exit with terminals

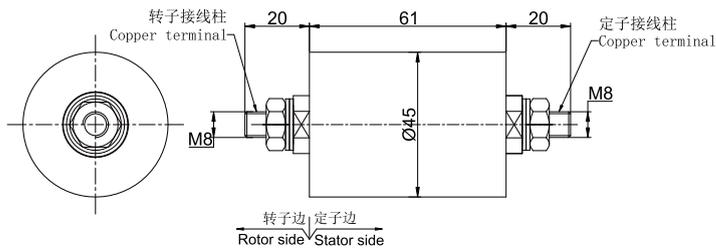
045 : Outer diameter 45

P01100:P-power ring01-1ring 50-50A/ring

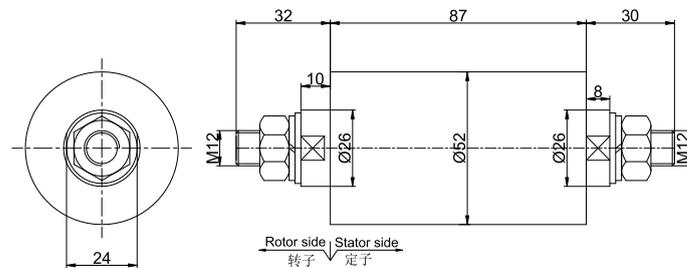
MW5045-P01100 Dimensions



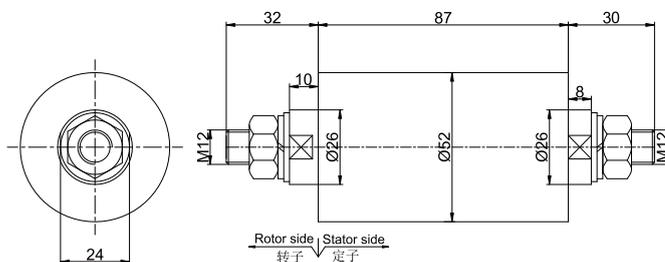
MW5045-P01150 Dimensions



MW5045-P01200 Dimensions



MW5045-P01250 Dimensions



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/1000VDC
Operating Humidity	0~85% RH	Lead Wires	terminal
Contact Material	precious metal	Dielectric Strength	500VAC@50Hz, 60s
Housing Materia	aluminium alloy	Electrical Noise	<0.01Ω
Torque	0.1N.m; +0.03N.m/6rings		
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