

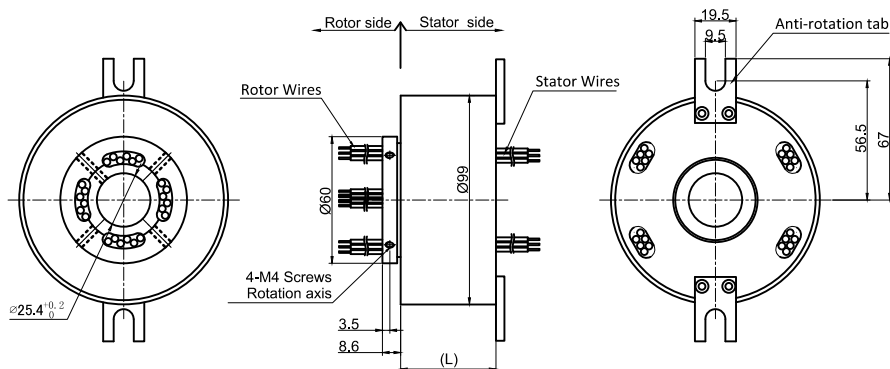
# MW2025 series slip rings

MW2025 series is large current slip ring with bore diameter 25.4mm. The through bore slip ring can be used for shaft installation or through gas-liquid catheter. This series slip ring can be with rated current 20A/30A/50A to over 100A.



MW2025

MW Series Large Current Slip Rings



## Part# Explanation

### MW 2025 - P02100-S06 - VC

MW: Large current slip rings

2 : through bore with cable exit

025 : bore size 25.4mm

P02100 : P-power ring, 02-2 rings ( wire),  
100-rated current 100A

S06 : S-signal ring ( or 5A) 06-6 rings ( wire)

Product quality level  
VC-common quality version  
VD-industrial quality version  
Default=VC

## Part# List

MW2025 Series slip ring part# list										
Part#	50A	100A	150A	Length (mm)	Part#	50A	100A	150A	Signal ring (Thermocouple)	Length (mm)
MW2025-P0160	1	0	0	45.2	MW2025-P0160-S06	1	0	0	6	65.6
MW2025-P01100	0	1	0	45.2	MW2025-P01100-S06	0	1	0	6	65.6
MW2025-P01150	0	0	1	65.6	MW2025-P01150-S06	0	0	1	6	86
MW2025-P0260	2	0	0	65.6	MW2025-P0260-S06	2	0	0	6	86
MW2025-P02100	0	2	0	65.6	MW2025-P02100-S06	0	2	0	6	86
MW2025-P02150	0	0	2	86	MW2025-P02150-S06	0	0	2	6	106.4
MW2025-P0360	3	0	0	65.6	MW2025-P0360-S06	0	0	0	6	86
MW2025-P03100	0	3	0	86	MW2025-P03100-S06	0	3	0	6	106.4
MW2025-P03150	0	0	3	126.8	MW2025-P03150-S06	0	0	3	6	150.2
MW2025-P0460	4	0	0	86	MW2025-P0460-S06	4	0	0	6	106.4
MW2025-P04100	0	4	0	106.4	MW2025-P04100-S06	0	4	0	6	126.8
MW2025-P04150	0	0	4	150.2	MW2025-P0860	8	0	0	0	150.2
MW2025-P0660	6	0	0	106.4	MW2025-P0660-S06	6	0	0	6	126.8

Note: 1. N channels 60A rings parallel can be used as 1 channel N \* 60A current. For example: 2 rings 60A parallel could be used as 1 wires 120A  
2. Optional for adding signal wire, thermocouple signal wire and high temperature resistance, it can be customized on customer's request. Please contact customer service for more information.

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
VC	100RPM	10 Million Revs	Precious Metal
VD	200RPM	30 Million Revs	Gold-plated

Specification

Electrical Data		
Parameter	Value	
	Power	Signal
Rated Voltage	0~690VAC/VDC	0~240VAC/VDC
Insulation Resistance	≥500MΩ/1000VDC	≥500MΩ/500VDC
Lead Wires	AWG12#/AWG8# /AWG12#parallel/AWG8parallel	AWG22#Teflon / Type K Thermocouple
Lead Length	Standard 300mm	
Dielectric Strength	500VAC@50Hz, 60s	
Electrical Noise	<0.01Ω	
Mechanical Data		
Parameter	Value	
Working Life	See Product Quality Level Table	
Rotating Speed	See Product Quality Level Table	
Working Temperature	-30°C~80°C / -45°C~80°C (military-industrial options)	
Operating Humidity	0~85% RH / 0~97% RH (military-industrial options)	
Contact Material	See Product Quality Level Table	
Housing Material	aluminium alloy / PBT	
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