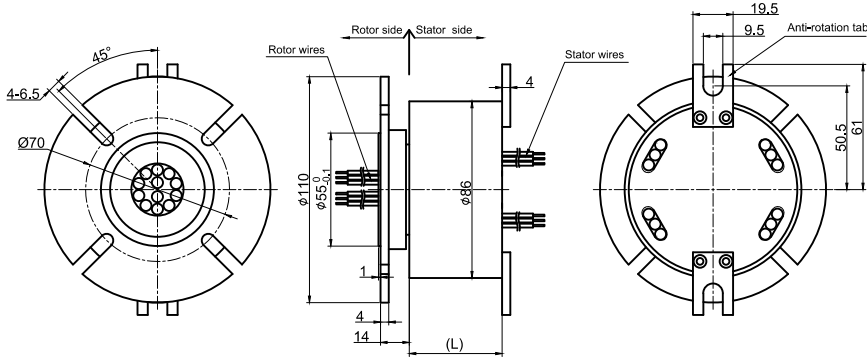
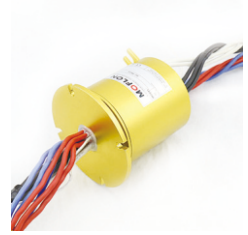


MW3086 series slip rings

MW3086 series is large current slip ring with OD (outer diameter) 86mm and rotor flange installation, Solid style without through bore, This series slip ring can be with rated current 20A/30A/50A to over 100A.



Part# Explanation

MW 3086 - P02100-S06 - VC

MW: large current series slip ring
 3 : solid slip ring with cable exit
 086 : outside diameter 86mm
 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

MW3086 Series slip ring part# list										
Part#	50A	100A	150A	length (mm)	Part#	50A	100A	150A	Signal ring (Thermocouple)	length (mm)
MW3086-P0160	1	0	0	55.6	MW3086-P0160-S06	1	0	0	6	78.4
MW3086-P01100	0	1	0	55.6	MW3086-P01100-S06	0	1	0	6	78.4
MW3086-P01150	0	0	1	78.4	MW3086-P01150-S06	0	0	1	6	101.2
MW3086-P0260	2	0	0	78.4	MW3086-P0260-S06	2	0	0	6	101.2
MW3086-P02100	0	2	0	78.4	MW3086-P02100-S06	0	2	0	6	101.2
MW3086-P02150	0	0	2	101.2	MW3086-P02150-S06	0	0	2	6	124
MW3086-P0360	3	0	0	78.4	MW3086-P0360-S06	3	0	0	6	101.2
MW3086-P03100	0	3	0	101.2	MW3086-P03100-S06	0	3	0	6	124
MW3086-P03150	0	0	3	151.8	MW3086-P03150-S06	0	0	3	6	174.6
MW3086-P0460	4	0	0	101.2	MW3086-P0460-S06	4	0	0	6	124
MW3086-P04100	0	4	0	124	MW3086-P04100-S06	0	4	0	6	151.8
MW3086-P04150	0	0	4	174.6	MW3086-P04150-S06	0	0	4	6	220.2
MW3086-P0660	6	0	0	124	MW3086-P0660-S06	6	0	0	6	151.8

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.

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	
Operating Humidity	0~85% RH	
Contact Material	See Product Quality Level Table	
Housing Material	aluminium alloy	
Torque	0.1N.m; +0.03N.m/6rings	
Protection Grade	IP51	

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

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