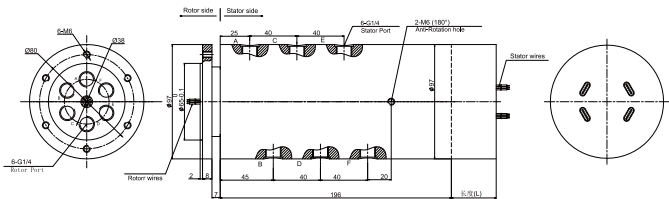


MAPH600-02 Integration of gas and electricity Dimensions ▼



Specifications

Rotary Union Specifications			Mechanical Data	
Parameter	Value		Parameter	Value
Passage	6 passages		Working life	See Product Quality Level Table
Max Pressure	3MPa, Vacuum 100KPa		Rotating Speed	See Product Quality Level Table
Torque	depend on conection size		Working Temperature	-30°C~80°C
Electrical Data			Operating Humidity	0~85% RH
Electrical Data			Contact Material	Precious Metal
Parameter	Power	Signal	Housing Material	Aluminium Alloy
Rated Voltage	0~440VAC/VDC	0~440VAC/VDC	Protection Grade	IP51
Insulation Resistance	≥1000MΩ/500VDC			
Lead Wires	AWG17#Teflon	AWG22#Teflon		
Lead Length	standard 300mm(adjustable)			
Insulation Strength	500VAC@50Hz, 60s			
Electrical Noise	<0.01Ω			

Part# List

MAPH600-XX Pneumatic/Hydraulic Slip Ring

- 1) XX=01,connection size=M5" Pipe size3~6mm
- 2) XX=02,connection size=G1/8" Pipe size3~10mm
- 3) XX=03,connection size=G1/4" Pipe size3~12mm

Part#	Pneumatic/Hydraulic Passage	10A	Signal or 5A	Length (mm)	Part#	Pneumatic/Hydraulic Passage	10A	Signal or 5A	Length (mm)
MAPH600-XX-S06	6 passages	0	6	38	MAPH600-XX-P1210-S06	6 passages	12	6	71.6
MAPH600-XX-P0210-S04	6 passages	2	4	38	MAPH600-XX-P1410-S04	6 passages	14	4	71.6
MAPH600-XX-P0410-S02	6 passages	4	2	38	MAPH600-XX-P1610-S02	6 passages	16	2	71.6
MAPH600-XX-P0610	6 passages	6	0	38	MAPH600-XX-S24	6 passages	0	24	88.4
MAPH600-XX-S12	6 passages	12	0	54.8	MAPH600-XX-P0410-S20	6 passages	4	20	88.4
MAPH600-XX-P0210-S10	6 passages	2	10	54.8	MAPH600-XX-P0610-S18	6 passages	6	18	88.4
MAPH600-XX-P0310-S09	6 passages	3	9	54.8	MAPH600-XX-P1210-S12	6 passages	12	12	88.4
MAPH600-XX-P0610-S06	6 passages	6	6	54.8	MAPH600-XX-S30	6 passages	0	30	105.2
MAPH600-XX-P0810-S04	6 passages	8	4	54.8	MAPH600-XX-P0610-S24	6 passages	6	24	105.2
MAPH600-XX-P1010-S02	6 passages	10	2	54.8	MAPH600-XX-S36	6 passages	0	36	125
MAPH600-XX-P1210	6 passages	12	0	54.8	MAPH600-XX-S42	6 passages	0	42	141.8
MAPH600-XX-S18	6 passages	0	18	71.6	MAPH600-XX-S48	6 passages	0	48	158.6
MAPH600-XX-P0210-S16	6 passages	2	16	71.6					
MAPH600-XX-P0410-S14	6 passages	4	14	71.6					
MAPH600-XX-P0610-S12	6 passages	6	12	71.6					
MAPH600-XX-P0810-S10	6 passages	8	10	71.6					
MAPH600-XX-P1010-S08	6 passages	10	8	71.6					

Note: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.  
 10A and Signal(5A) can be combine in any way as you need.Max.ring:96 rings,can be customized based on standard slip rings.Please contact us.

## Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Sealing Element
VC	100RPM	10 Million Revs	Common Seals
VD	300RPM	30 Million Revs	High-Quality Seals

## Lead Wires Color Code

Ring	1	2	3	4	5	6	7	8	9	10	11	12
Color	BLK	RED	YLW	GRN	BLU	WHT	BLK	RED	YLW	GRN	BLU	WHT

(6 wires for 1 group color, from 7-12, repeat the same color as 1...6, indicated with number code pipe)

## 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 voltage 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](mailto:technical@moflon.com)