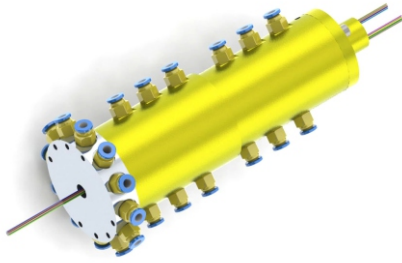
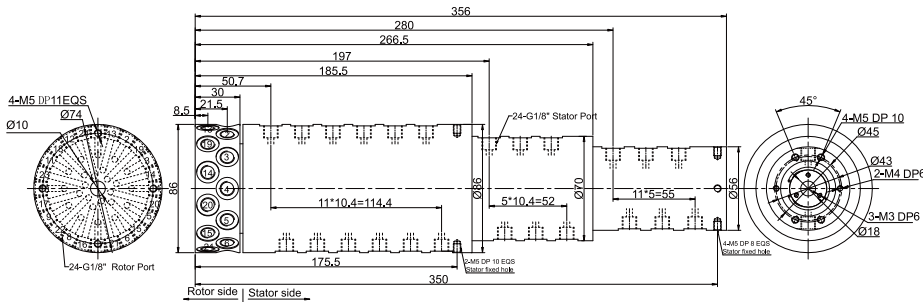


MK241(24 passages Pneumatic Rotary Union--Can combine electric wires)



MK241 series is 24 passages Pneumatic Rotary Union(Can combine electric wires), with connection size G1/8", compact size, light weight, low torque, Also optional for transmitting power line, signal line, industrial bus, control line, Electromagnetic valve, induction line, etc.; Standard installation is flange mounting.
Media Types: compressed Air/Gas, vacuum, etc.

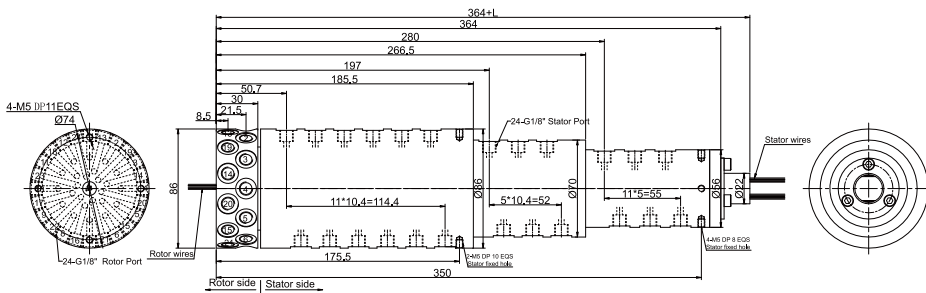
MK241 (rotary union only for pneumatic) drawing (24 in 24 out, connection size G1/8")



Part list

Model	Passages	Connection Size	Adaptive tube
MK241	24	G1/8"	6~8mm

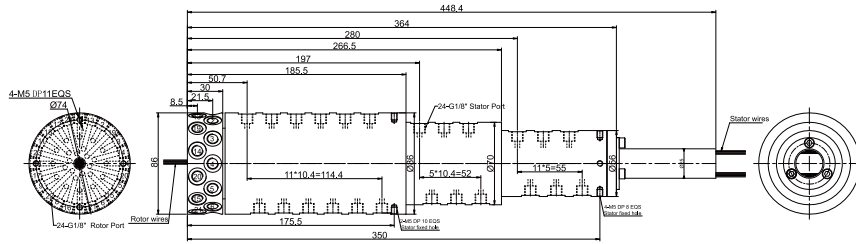
MK241S-S12 (S18, S24, S36) drawing 24 in 24 out, connection size G1/8" + 12~36 wires x signal(2A)



Part list

Model	Passages	Connection Size	Adaptive tube	Signal(2A)	L(mm)
MK241S-S12	24	G1/8"	6~8mm	12	22.5
MK241S-S18	24	G1/8"	6~8mm	18	29.5
MK241S-S24	24	G1/8"	6~8mm	24	40.1
MK241S-S36	24	G1/8"	6~8mm	36	53.8

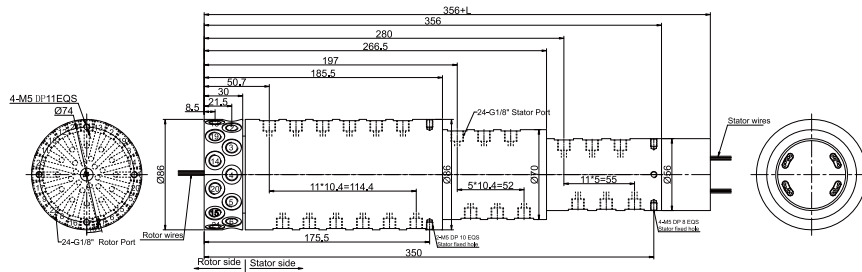
MK241S-S56 drawing 24 in 24 out, connection size G1/8"



Part list

Model	Passages	Connection Size	Adaptive tube	Signal(2A)
MK241S-S56	24	G1/8"	6~8mm	56

MK241-PXX-SXX drawing 24 in 24 out, connection size G1/8" + signal(5A)/10A



Part list

Model	Passages	Connection Size	Adaptive tube	10A	Signal(5A)	L(mm)
MK123-P0610	24	G1/8"	6~8mm	6	0	38
MK123-S06	24	G1/8"	6~8mm	0	6	38
MK123-P1210	24	G1/8"	6~8mm	12	0	54.8
MK123-P0610-S06	24	G1/8"	6~8mm	6	6	54.8
MK123-S12	24	G1/8"	6~8mm	0	12	54.8
MK123-P1810	24	G1/8"	6~8mm	18	0	71.5
MK123-P0610-S12	24	G1/8"	6~8mm	6	12	71.5
MK123-P1210-S06	24	G1/8"	6~8mm	12	6	71.5
MK123-S18	24	G1/8"	6~8mm	0	18	71.5
MK123-S24	24	G1/8"	6~8mm	0	24	88.4
MK123-P0610-S18	24	G1/8"	6~8mm	6	18	88.4
MK123-S30 (2A)	24	G1/8"	6~8mm	0	30	105.2
MK123-S36 (2A)	24	G1/8"	6~8mm	0	36	125

Note:10A and signal(5A) can be freely combined, please contact customer service for details.

Specifications

Rotary Union Specifications			Mechanical data	
Parameter	Value		Parameter	Value
Passage	24 in 24 out, G1/8"		Working life	Over 10 Million Revs
Max Pressure	1MPa(high pressure can be customized), Vacuum 0.01torr		Rated Rotating Speed	300RPM
Torque	Related to the connection size, please see the product selection table		Working Temperature	-30°C~80°C
Electrical Data			Operating Humidity	0~85% RH
Parameter	Value		Contact Material	Precious Metal
	Power	Signal	Housing Material	Aluminium Alloy
Rated Voltage	0~240VAC/VDC	0~240VAC/VDC	Protection Grade	IP51
Insulation Resistance	≥500MΩ/500VDC	≥500MΩ/500VDC		
Lead Wires	AWG17#Teflon/PVC	AWG22#Teflon/PVC		
Lead Length	Standard 300mm(adjustable on request)			
Dielectric Strength	500VAC@50Hz, 60s			
Electrical Noise	<0.01Ω			

Product Quality Level Table

Products Level Code	Max Rotating Speed	Working Life	Contact Material
Common Quality Level	250RPM	20 Million Revs	Previous Metal
Industrial Quality Level	600RPM	80 Million Revs	Gold-gold
High-end Quality Level	1000RPM	150 Million Revs	Gold Alloy

Rings lead color code

Rings	1	2	3	4	5	6	7	8	9	10	11	12
Color	Black	Red	Yellow	Green	Blue	White	Black	Red	Yellow	Green	Blue	White

Note: 6 wires for one group color, from 7-12, repeat the same color as 1...6, indicate with number code pipe.

Options for Custom Slip Ring

Note: Below special demands can be customized. The delivery date will be extended about 3 to 15 days;also the cost will be increased about 5% to 50%. Most of our basic parts are standard and modular,which can save the cost and lead time.

1. Inner bore size, cable exit way and cable length for both rotor and stator can be customized.
2. Because of the structure limitation, length/height/OD can be customized on your request.
3. Max support 200 rings of power/signal.
4. Aviation plug, terminal and heat-shrink tube are optional.
5. Combined slip ring for Yaskawa, Panasonic and 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. Combined Pneumatic/hydraulic joint with electric slip ring.
10. High temperature can up to 500 degree centigrade.
11. High voltage can up to 110KV.
12. Rotating speed can up to 10000RPM.
13. Maximum current can up to 5000(A) amperes.
14. Military Grade.
15. Optional for underwater IP65, IP68.
16. Optional for stainless steel housing.

Technical support: technical@moflon.com