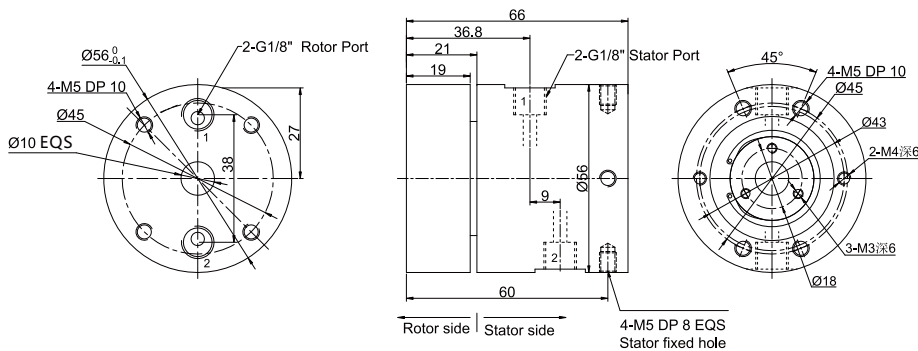


# MKD21(2 passages Pneumatic Rotary Union--Can combine electric wires)



MKD21 series is 2 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.

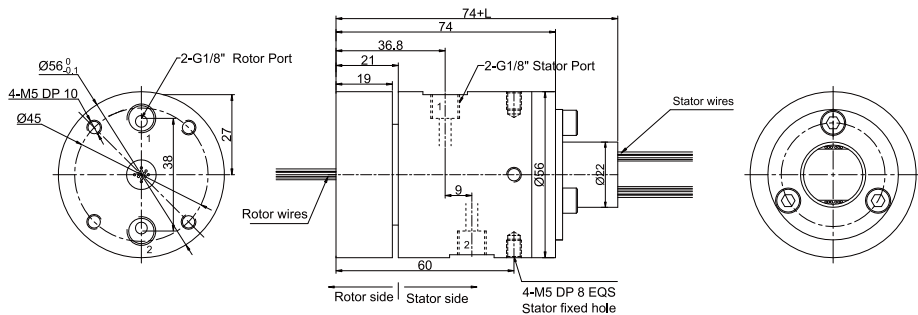
MKD21 (rotary union only for pneumatic) drawing (2 in 2 out, connection size G1/8")



## Part list

Model	Passages	Connection Size	Adaptive tube
MKD21	2	G1/8"	6~8mm

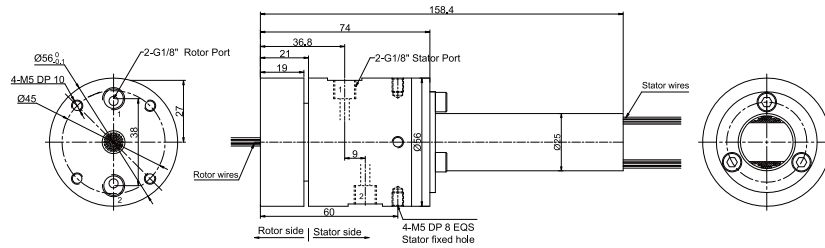
MKD21S-S12 drawing 2 in 2 out, connection size G1/8" + 12~36 wires x signal(2A)



## Part list

Model	Passages	Connection Size	Adaptive tube	Signal(2A)	L(mm)
MKD21S-S12	2	G1/8"	6~8mm	12	22.5
MKD21S-S18	2	G1/8"	6~8mm	18	29.5
MKD21S-S24	2	G1/8"	6~8mm	24	40.1
MKD21S-S36	2	G1/8"	6~8mm	36	53.8

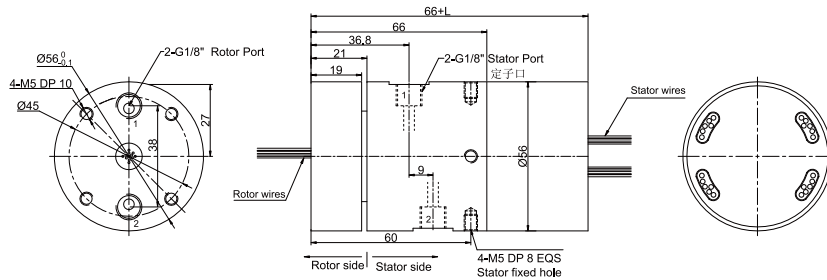
## MKD21S-S56 drawing 2 in 2 out, connection size G1/8"



### Part list

Model	Passages	Connection Size	Adaptive tube	Signal(2A)
MKD21S-S56	2	G1/8"	6~8mm	56

## MKD21S-S56 drawing 2 in 2 out, connection size G1/8" + Signal(5A)/10A



### Part list

Model	Passages	Connection Size	Adaptive tube	10A	Signal(5A)	L(mm)
MKD21-P0610	2	G1/8"	6~8mm	6	0	38
MKD21-S06	2	G1/8"	6~8mm	0	6	38
MKD21-P1210	2	G1/8"	6~8mm	12	0	54.8
MKD21-P0610-S06	2	G1/8"	6~8mm	6	6	54.8
MKD21-S12	2	G1/8"	6~8mm	0	12	54.8
MKD21-P1810	2	G1/8"	6~8mm	18	0	71.5
MKD21-P0610-S12	2	G1/8"	6~8mm	6	12	71.5
MKD21-P1210-S06	2	G1/8"	6~8mm	12	6	71.5
MKD21-S18	2	G1/8"	6~8mm	0	18	71.5
MKD21-S24	2	G1/8"	6~8mm	0	24	88.4
MKD21-P0610-S18	2	G1/8"	6~8mm	6	18	88.4
MKD21-S30	2	G1/8"	6~8mm	0	30	105.2
MKD21-S36	2	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	2 in 2 out, G1/8"		Working life	Over 10 Million Revs
Max Pressure	1MPa(high pressure can be customized), Vacuum -80KPa		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			

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