

3004006 Series 4 Passages Rotary Unions

4 Passage(G1/8" port,6~8mm pipes)+Electrical(Power/Signal)

support G1/8" port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.



Part No. Description

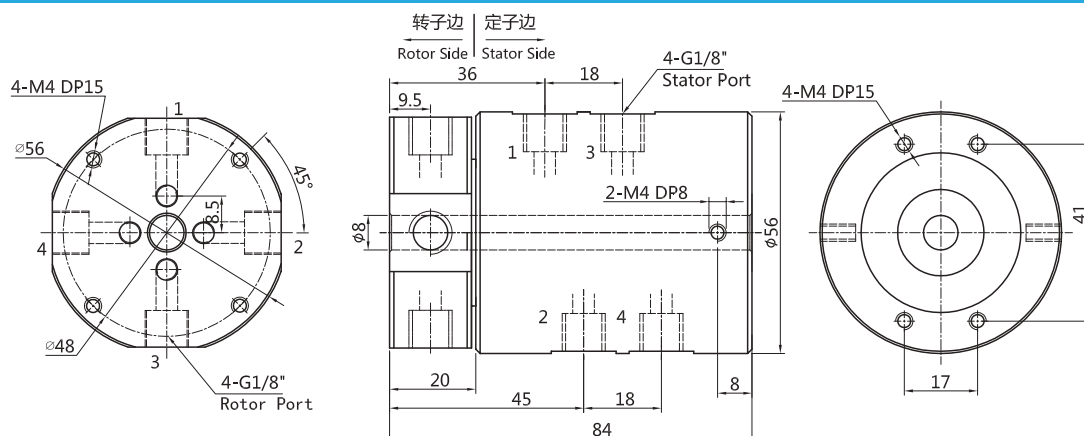
4 Passage Rotary Unions
G1/8" port ,6mm pipes

For example:
0610:6 circuits@10A 1230:12 circuits@30A

3004006 - Power Circuits - Signal Circuits

For example:
06S:6 circuits signal@2A
12S:12 circuits signal@2A

3004006 (Rotary Union Only) Drawing,4 Passage(6~8mm pipe)

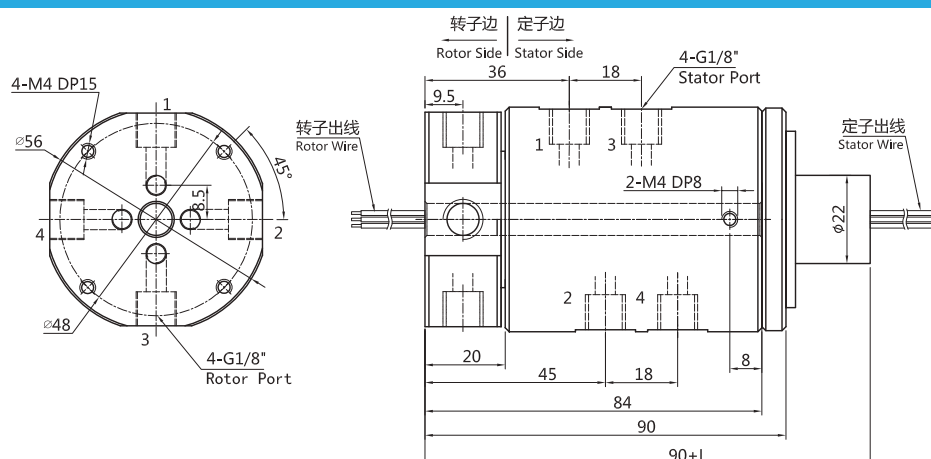


Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3004006	4	G1/8"	6~8mm

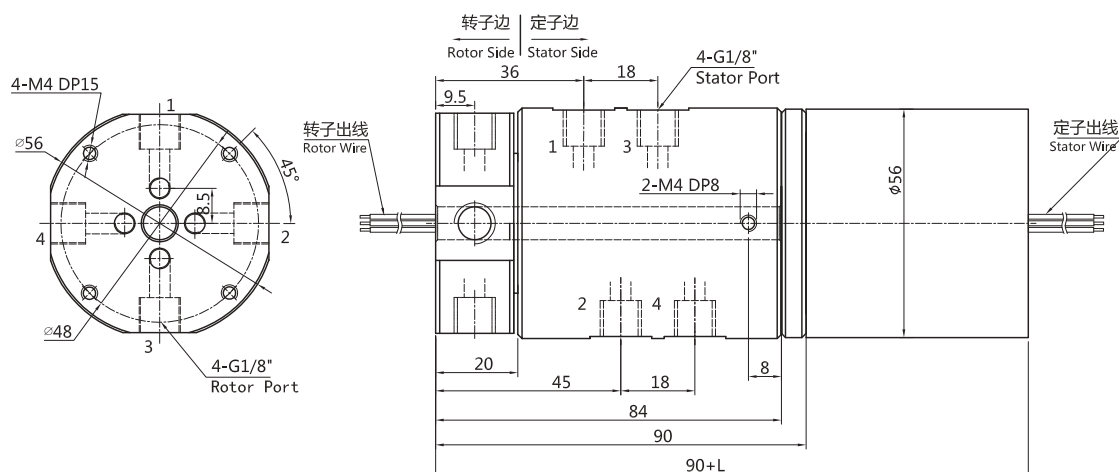
3004006-X4S 4 Passage(6~8mm pipe)

+6~56 circuits electrical signal@2A (Suitable for Solenoid valve or Sensor switch Signals)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3004006-06	4	G1/8"	6~8mm	6	14
3004006-12	4	G1/8"	6~8mm	12	21
3004006-24S	4	G1/8"	6~8mm	24	35
3004006-36S	4	G1/8"	6~8mm	36	52.3
3004006-56S	4	G1/8"	6~8mm	56	82



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3004006-06S	4	G 1/8"	6~8mm	0	6	38
3004006-0610	4	G 1/8"	6~8mm	6	0	38
3004006-12S	4	G 1/8"	6~8mm	0	12	55
3004006-0610-06S	4	G 1/8"	6~8mm	6	6	55
3004006-1210	4	G 1/8"	6~8mm	12	0	55
3004006-0610-12S	4	G 1/8"	6~8mm	6	12	71.5
3004006-1210-06S	4	G 1/8"	6~8mm	12	6	71.5
3004006-18S	4	G 1/8"	6~8mm	0	18	71.5
3004006-1810	4	G 1/8"	6~8mm	18	0	71.5
3004006-0610-18S	4	G 1/8"	6~8mm	6	18	88.5
3004006-24S	4	G 1/8"	6~8mm	0	24	88.5
3004006-30S	4	G 1/8"	6~8mm	0	30	106
3004006-36S	4	G 1/8"	6~8mm	0	36	125

Technical Specification

Rotary Union Specification				
Passages	4 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	6~8mm Pipe(G1/8")	torque	<0.4N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

3006006 Series 6 Passages Rotary Unions

6 Passage(G1/8" port,6~8mm pipes)+Electrical(Power/Signal)

support G1/8" port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.

Part No. Description

6 Passage Rotary Unions
G1/8" port ,6mm pipes

For example:

0610:6 circuits@10A 1230:12 circuits@30A

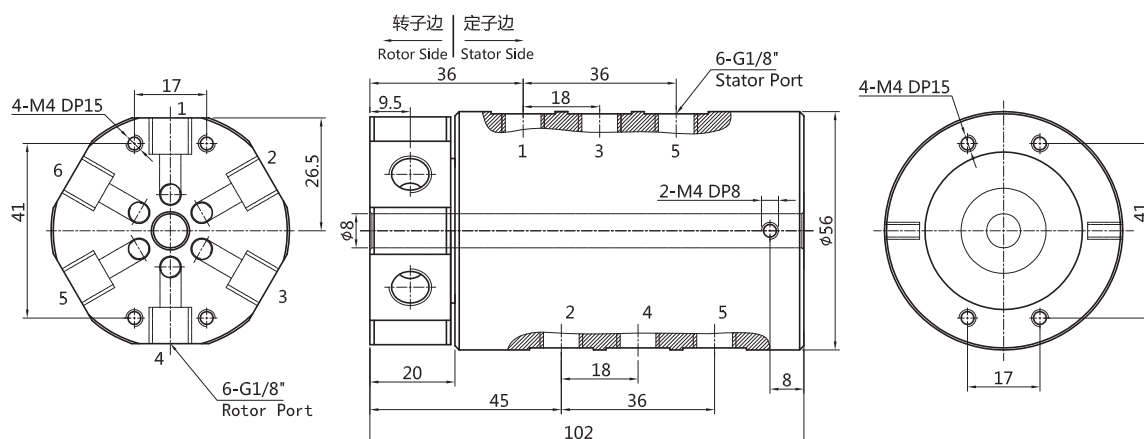
3006006 - Power Circuits - Signal Circuits

For example:

06S:6 circuits signal@2A

12S:12 circuits signal@2A

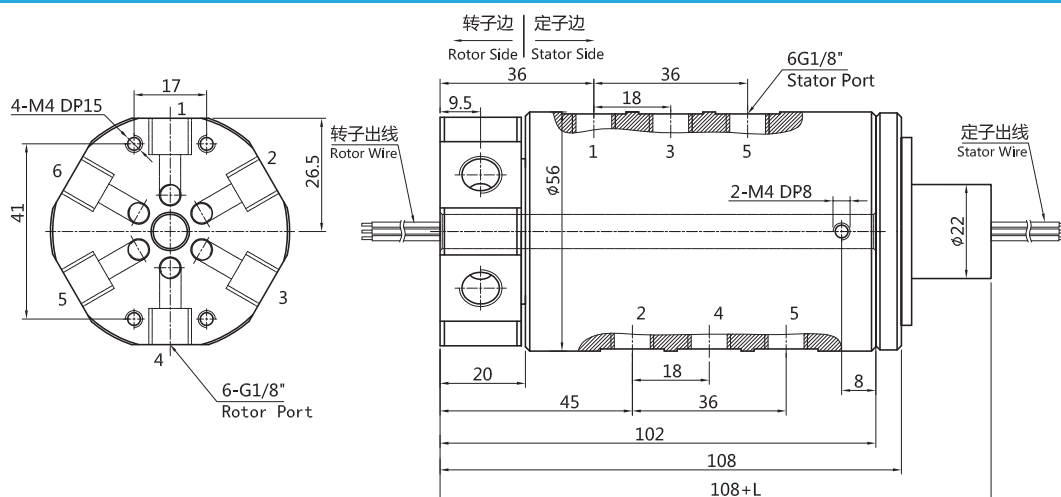
3006006 (Rotary Union Only) Drawing,6 Passage(6~8mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3006006	6	G1/8"	6~8mm

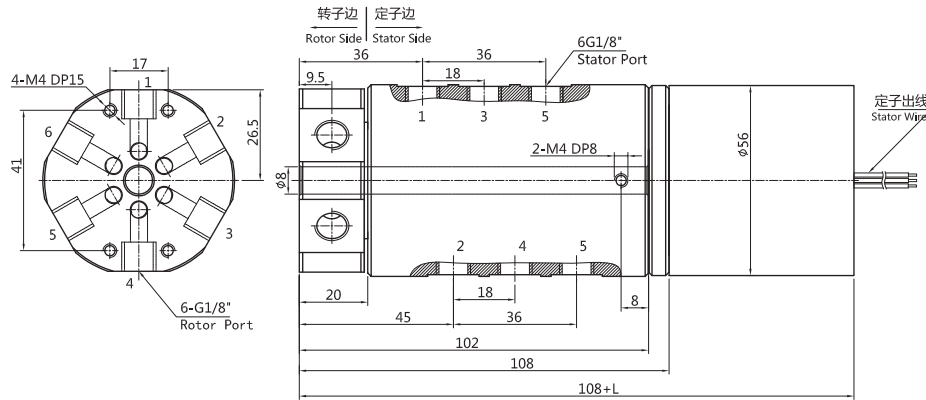
3006006-X3AX4S 6 Passage(6~8mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3006006-06	6	G1/8"	6~8mm	6	14
3006006-12	6	G1/8"	6~8mm	12	21
3006006-24S	6	G1/8"	6~8mm	24	35
3006006-36S	6	G1/8"	6~8mm	36	52.3
3006006-56S	6	G1/8"	6~8mm	56	82

3006006-X3AX4S 6 Passage(6~8mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3006006-06S	6	G 1/8 "	6~8mm	0	6	38
3006006-0610	6	G 1/8 "	6~8mm	6	0	38
3006006-12S	6	G 1/8 "	6~8mm	0	12	55
3006006-0610-06S	6	G 1/8 "	6~8mm	6	6	55
3006006-1210	6	G 1/8 "	6~8mm	12	0	55
3006006-0610-12S	6	G 1/8 "	6~8mm	6	12	71.5
3006006-1210-06S	6	G 1/8 "	6~8mm	12	6	71.5
3006006-18S	6	G 1/8 "	6~8mm	0	18	71.5
3006006-1810	6	G 1/8 "	6~8mm	18	0	71.5
3006006-0610-18S	6	G 1/8 "	6~8mm	6	18	88.5
3006006-24S	6	G 1/8 "	6~8mm	0	24	88.5
3006006-30S	6	G 1/8 "	6~8mm	0	30	106
3006006-36S	6	G 1/8 "	6~8mm	0	36	125

Technical Specification

Rotary Union Specification				
Passages	6 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	6~8mm Pipe(G1/8")	torque	<0.6N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
Max. Speed	250RPM continously, 1000RPM intermittently	Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Working Temp.	-30℃~80℃	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Work Humidity	0~85% RH	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Contact Material	precious metal	Lead Wire Length	standard 250mm(can be customized)	
Housing Material	aluminum alloy	Insulation Resistance	500VAC@50Hz,6s	
IP Grade	IP51	Electrical Noise	<0.01Ω	

3008006 Series G1/8 6 Passage Rotary Unions

8 Passage(G1/8" port,6~8mm pipes)+Electrical(Power/Signal)

support G1/8" port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.

Part No. Description

8 Passage Rotary Unions
G1/8" port ,6mm pipes

For example:

0610:6 circuits@10A 1230:12 circuits@30A

3008006 - Power Circuits - Signal Circuits

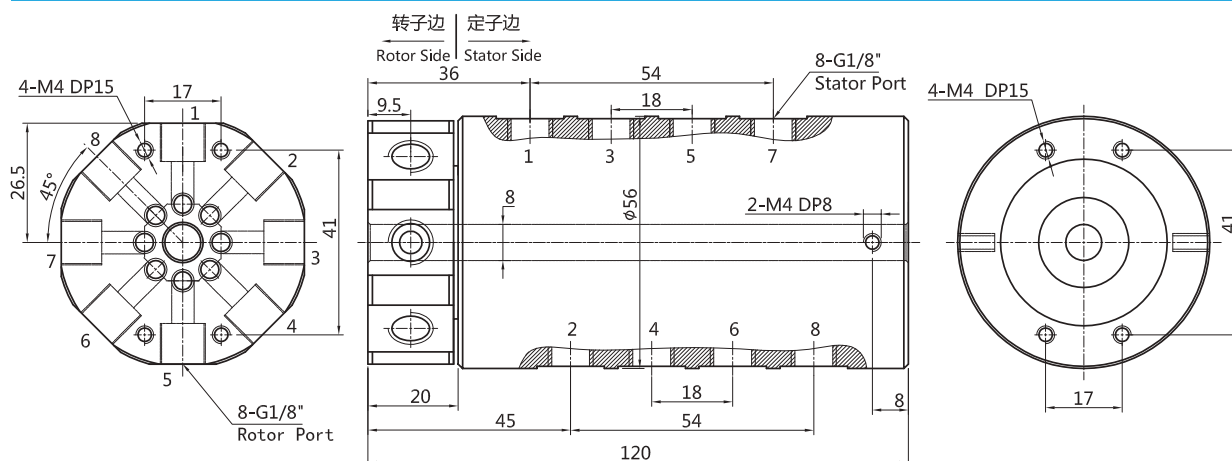
For example:

06S:6 circuits signal@2A

12S:12 circuits signal@2A



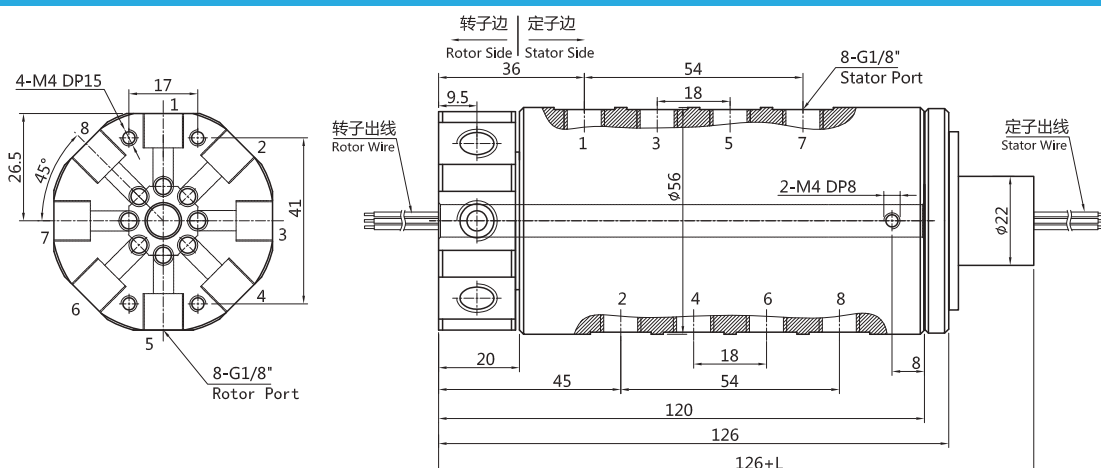
3008006 (Rotary Union Only) Drawing,8 Passage(6~8mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3008006	8	G1/8"	6~8mm

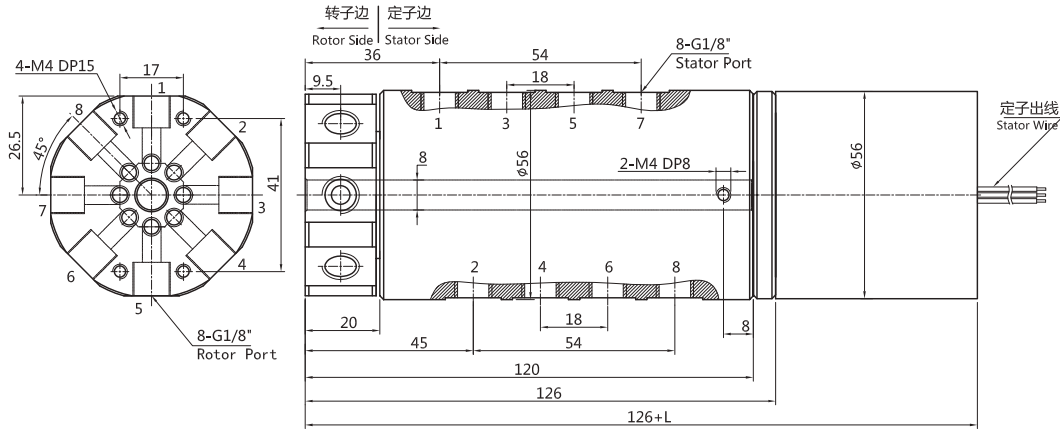
3008006-X4S 8 Passage(6~8mm pipe)
+6~56 circuits electrical signal@2A (Suitable for Solenoid valve or Sensor switch Signals)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3008006-06	8	G1/8"	6~8mm	6	14
3008006-12	8	G1/8"	6~8mm	12	21
3008006-24S	8	G1/8"	6~8mm	24	35
3008006-36S	8	G1/8"	6~8mm	36	52.3
3008006-56S	8	G1/8"	6~8mm	56	82

3008006-X3AX4S 8 Passage(6~8mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3008006-06S	8	G 1/8 "	6~8mm	0	6	38
3008006-0610	8	G 1/8 "	6~8mm	6	0	38
3008006-12S	8	G 1/8 "	6~8mm	0	12	55
3008006-0610-06S	8	G 1/8 "	6~8mm	6	6	55
3008006-1210	8	G 1/8 "	6~8mm	12	0	55
3008006-0610-12S	8	G 1/8 "	6~8mm	6	12	71.5
3008006-1210-06S	8	G 1/8 "	6~8mm	12	6	71.5
3008006-18S	8	G 1/8 "	6~8mm	0	18	71.5
3008006-1810	8	G 1/8 "	6~8mm	18	0	71.5
3008006-0610-18S	8	G 1/8 "	6~8mm	6	18	88.5
3008006-24S	8	G 1/8 "	6~8mm	0	24	88.5
3008006-30S	8	G 1/8 "	6~8mm	0	30	106
3008006-36S	8	G 1/8 "	6~8mm	0	36	125

Technical Specification

Rotary Union Specification				
Passages	8 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	6~8mm Pipe(G1/8")	torque	<0.8N.m	
Mechanical parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

3012006 Series 12 Passage Pneumatic swivel Joint

12 Passage(G1/8" port,6~8mm pipes)+Electrical(Power/Signal)

support G1/8" port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.

Part No. Description

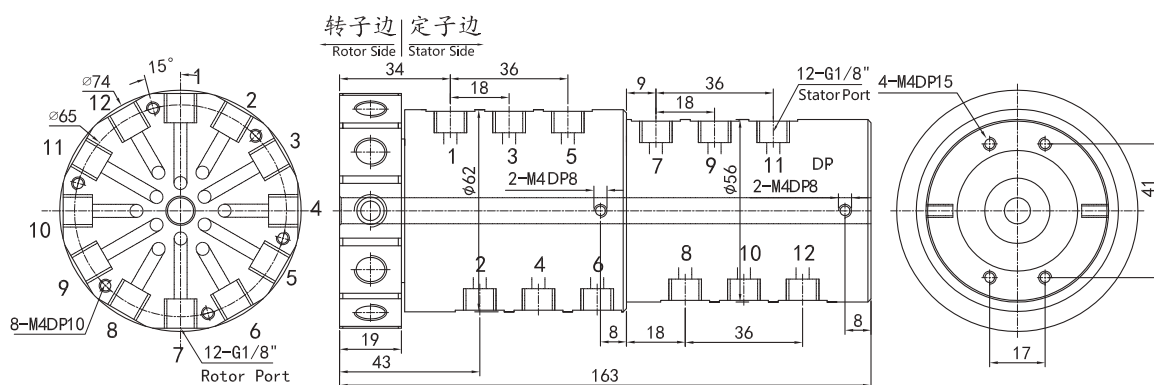
12 Passage Rotary Unions
G1/8" port ,6mm pipes

For example:
0610:6 circuits@10A 1230:12 circuits@30A

3012006 - Power Circuits - Signal Circuits

For example:
06S:6 circuits signal@2A
12S:12 circuits signal@2A

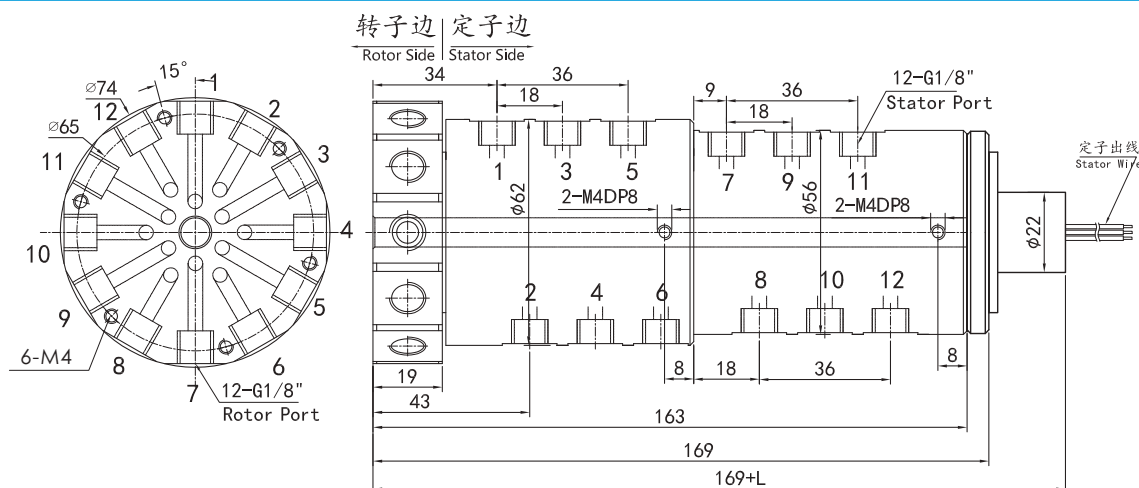
3012006 (Rotary Union Only) Drawing,12 Passage(6~8mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3012006	12	G1/8"	6~8mm

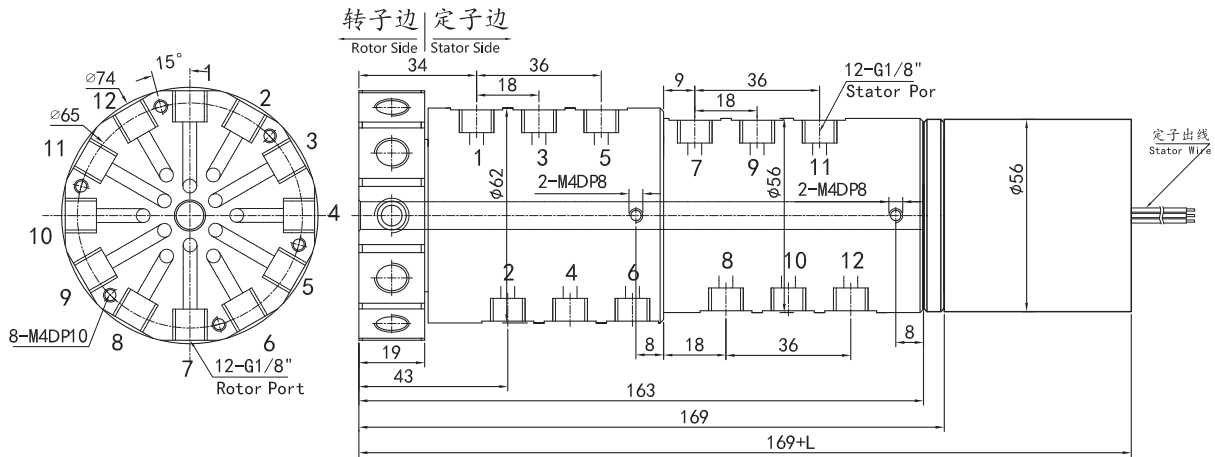
3012006-X4S 12 Passage(6~8mm pipe)
+6~56 circuits electrical signal@2A (Suitable for Solenoid valve or Sensor switch Signals)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3012006-06	12	G1/8"	6~8mm	6	14
3012006-12	12	G1/8"	6~8mm	12	21
3012006-24S	12	G1/8"	6~8mm	24	35
3012006-36S	12	G1/8"	6~8mm	36	52.3
3012006-56S	12	G1/8"	6~8mm	56	82

3012006-X3AX4S 12 Passage(6~8mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3012006-06S	12	G1/8"	6~8mm	0	6	38
3012006-0610	12	G1/8"	6~8mm	6	0	38
3012006-12S	12	G1/8"	6~8mm	0	12	55
3012006-0610-06S	12	G1/8"	6~8mm	6	6	55
3012006-1210	12	G1/8"	6~8mm	12	0	55
3012006-0610-12S	12	G1/8"	6~8mm	6	12	71.5
3012006-1210-06S	12	G1/8"	6~8mm	12	6	71.5
3012006-18S	12	G1/8"	6~8mm	0	18	71.5
3012006-1810	12	G1/8"	6~8mm	18	0	71.5
3012006-0610-18S	12	G1/8"	6~8mm	6	18	88.5
3012006-24S	12	G1/8"	6~8mm	0	24	88.5
3012006-30S	12	G1/8"	6~8mm	0	30	106
3012006-36S	12	G1/8"	6~8mm	0	36	125

Technical Specification

Rotary Union Specification				
Passages	12 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	6~8mm Pipe(G1/8")	torque	<1.2N.m	
Mechanical parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 25 0mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

3002012 Series 2 Passages Pneumatic & Hydraulic Rotary Unions

2 Passage(G3/8" port, 10~12mm pipes)+Electrical(Power/Signal)

support G3/8" port for 10~12mm pipes, can transfer various mediums including compressed air, steam, vacuum, negative pressure, positive pressure, cooling water, hot oil, etc when 360° rotating, it also can combine to transmit electrical power and signal.



Part No. Description

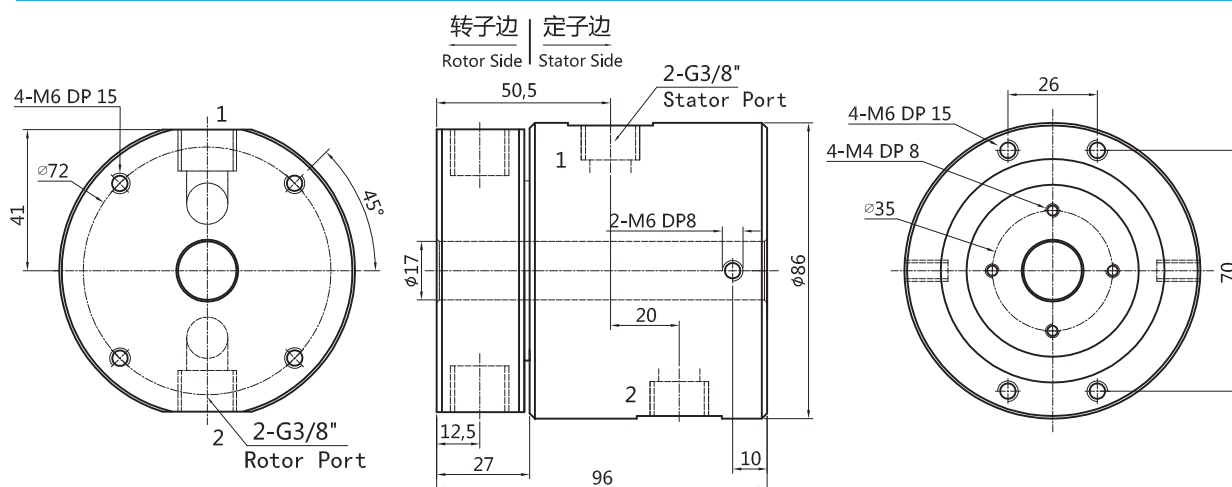
2 Passage Rotary Unions
G3/8" port, 10~12mm pipes

3002012 - Power Circuits - Signal Circuits

For example:
0610:6 circuits@10A 1230:12 circuits@30A

For example:
06S:6 circuits signal@2A
12S:12 circuits signal@2A

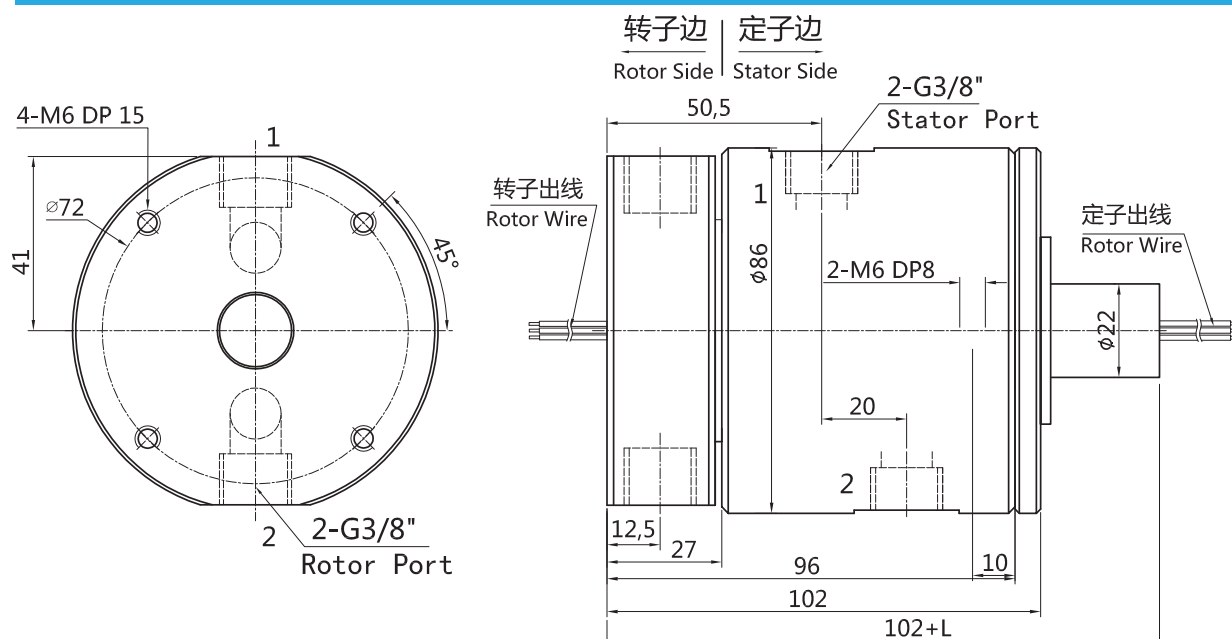
3002012 (Rotary Union Only) Drawing, 2 Passage(10~12mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3002012	2	G3/8"	10~12mm

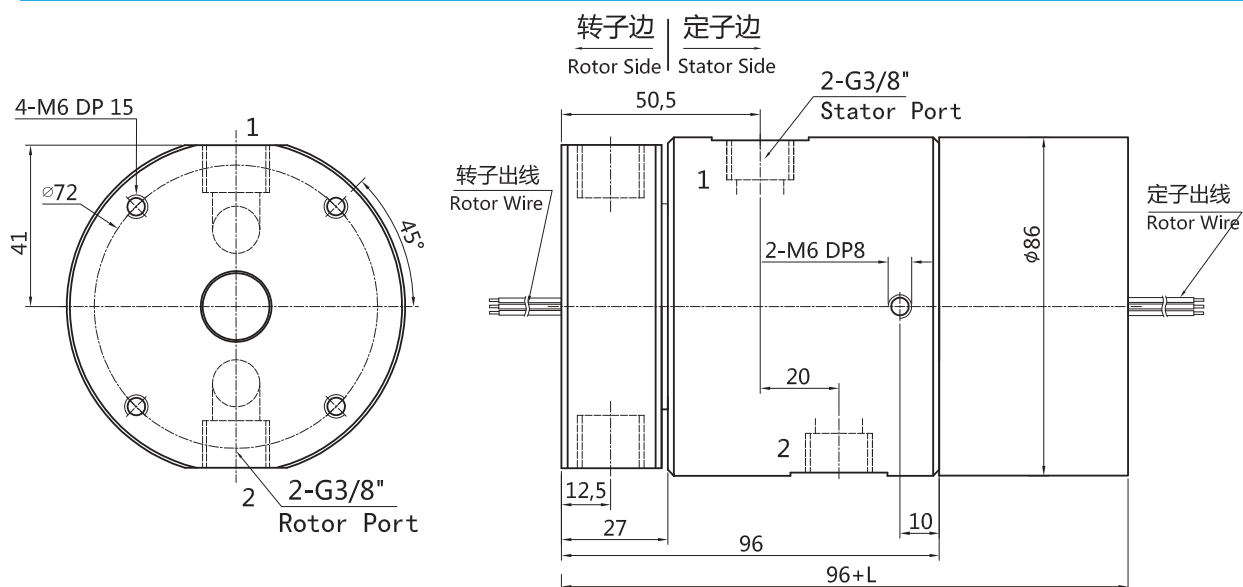
3002012-X4S 2 Passage(10~12mm pipe)
+6~56 circuits electrical signal@2A(Suitable for Solenoid valve or Sensor switch Signals)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3002012-06	2	G3/8"	10~12mm	6	14
3002012-12	2	G3/8"	10~12mm	12	21
3002012-24S	2	G3/8"	10~12mm	24	35
3002012-36S	2	G3/8"	10~12mm	36	52.3
3002012-56S	2	G3/8"	10~12mm	56	82

3002012-X3AX4S 2 Passage(10~12mm pipe)+electrical power/signal(5A,10A option)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3002012-06S	2	G3/8"	10~12mm	0	6	48
3002012-0610	2	G3/8"	10~12mm	6	0	48
3002012-12S	2	G3/8"	10~12mm	0	12	72
3002012-0610-06S	2	G3/8"	10~12mm	6	6	72
3002012-1210	2	G3/8"	10~12mm	12	0	72
3002012-0610-12S	2	G3/8"	10~12mm	6	12	96
3002012-1210-06S	2	G3/8"	10~12mm	12	6	96
3002012-18S	2	G3/8"	10~12mm	0	18	96
3002012-1810	2	G3/8"	10~12mm	18	0	96
3002012-0610-18S	2	G3/8"	10~12mm	6	18	120
3002012-24S	2	G3/8"	10~12mm	0	24	120
3002012-2410	2	G3/8"	10~12mm	24	0	120
3002012-36S	2	G3/8"	10~12mm	0	36	168
3002012-1210-24S	2	G3/8"	10~12mm	12	24	168
3002012-3610	2	G3/8"	10~12mm	36	0	168
3002012-48S	2	G3/8"	10~12mm	0	48	216
3002012-1210-36S	2	G3/8"	10~12mm	12	36	216
3002012-4810	2	G3/8"	10~12mm	48	0	216
3002012-60S	2	G3/8"	10~12mm	0	60	264
3002012-1210-48S	2	G3/8"	10~12mm	12	48	264
3002012-72S	2	G3/8"	10~12mm	0	72	312

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3002012-2410-48S	2	G3/8 "	10~12mm	24	48	312
3002012-84S	2	G3/8 "	10~12mm	0	84	360
3002012-2410-60S	2	G3/8 "	10~12mm	20	60	360
3002012-96S	2	G3/8 "	10~12mm	0	96	408
3002012-108S	2	G3/8 "	10~12mm	0	108	456
3002012-120S	2	G3/8 "	10~12mm	0	120	504

Technical Specification

Rotary Union Specification				
Passages	2 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	10~12mm Pipe(G3/8")	torque	<0.2N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

4 Passages Pneumatic & Hydraulic Rotary Unions

4 Passage(G3/8" port,10~12mm pipes)+Electrical(Power/Signal)

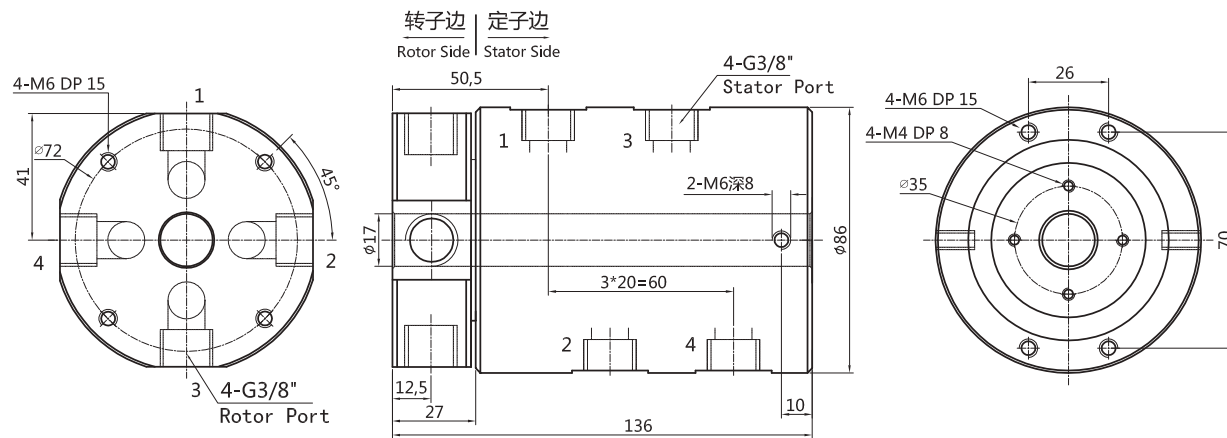
support G3/8" port for 10~12mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.



Part No. Description

3004012 - Power Circuits - Signal Circuits	
4 Passage Rotary Unions G3/8" port ,10~12mm pipes	
For example: 0610:6 circuits@10A 1230:12 circuits@30A	For example: 06S:6 circuits signal@2A 12S:12 circuits signal@2A

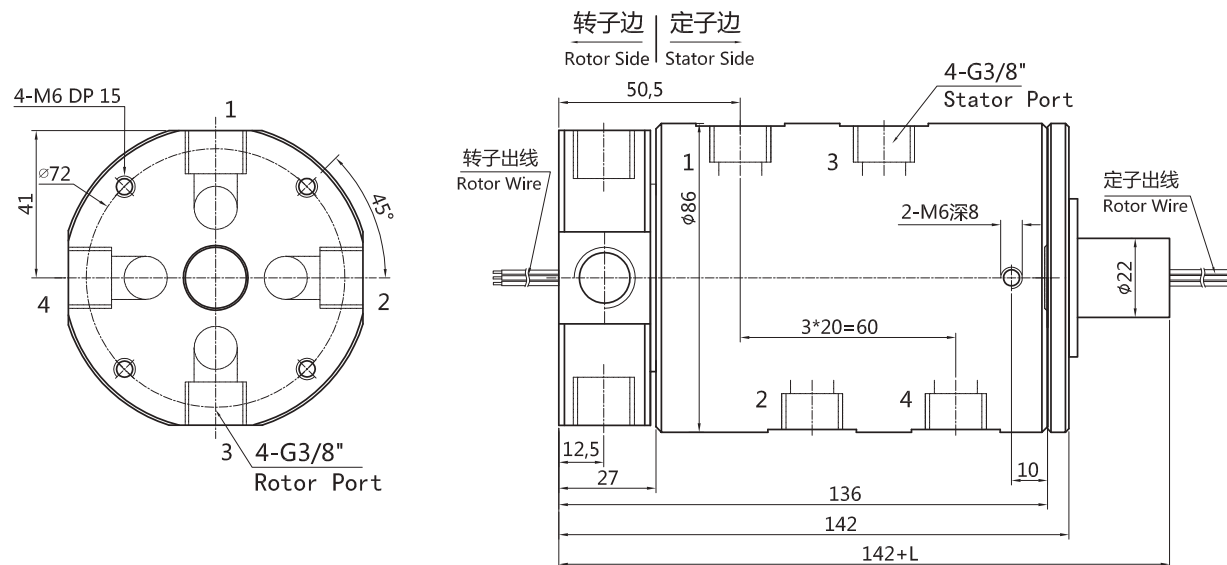
3004012 (Rotary Union Only) Drawing,4 Passage(10~12mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3004012	4	G3/8"	10~12mm

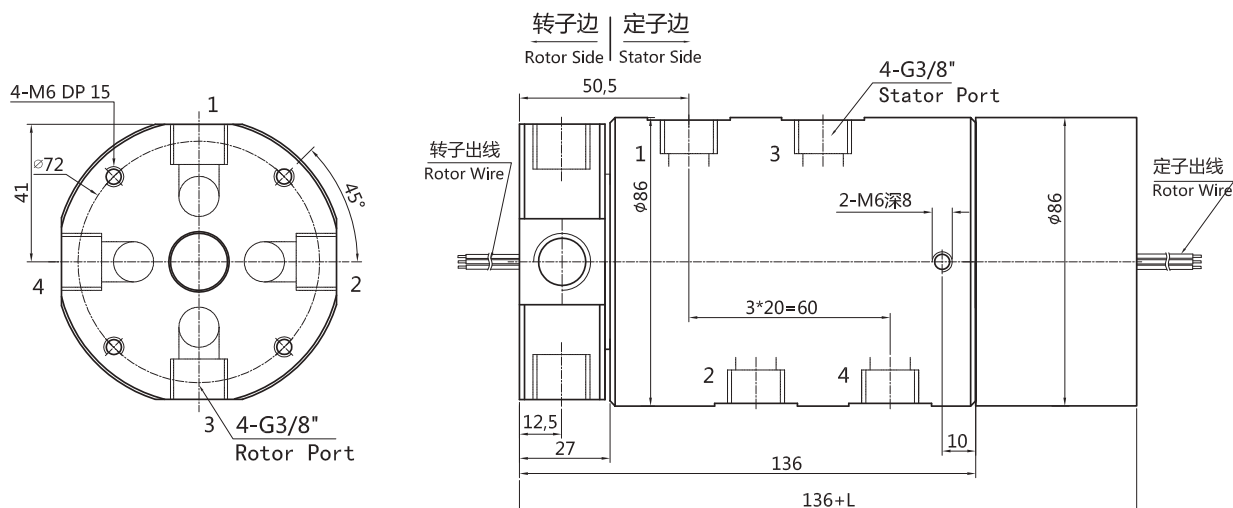
3004012-X3AX4S 4 Passage(10~12mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3004012-06	4	G3/8"	10~12mm	6	14
3004012-12	4	G3/8"	10~12mm	12	21
3004012-24S	4	G3/8"	10~12mm	24	35
3004012-36S	4	G3/8"	10~12mm	36	52.3
3004012-56S	4	G3/8"	10~12mm	56	82

3004012-X3AX4S 4 Passage(10~12mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3004012-06S	4	G3/8"	10~12mm	0	6	48
3004012-0610	4	G3/8"	10~12mm	6	0	48
3004012-12S	4	G3/8"	10~12mm	0	12	72
3004012-0610-06S	4	G3/8"	10~12mm	6	6	72
3004012-1210	4	G3/8"	10~12mm	12	0	72
3004012-0610-12S	4	G3/8"	10~12mm	6	12	96
3004012-1210-06S	4	G3/8"	10~12mm	12	6	96
3004012-18S	4	G3/8"	10~12mm	0	18	96
3004012-1810	4	G3/8"	10~12mm	18	0	96
3004012-0610-18S	4	G3/8"	10~12mm	6	18	120
3004012-24S	4	G3/8"	10~12mm	0	24	120
3004012-2410	4	G3/8"	10~12mm	24	0	120
3004012-36S	4	G3/8"	10~12mm	0	36	168
3004012-1210-24S	4	G3/8"	10~12mm	12	24	168
3004012-3610	4	G3/8"	10~12mm	36	0	168
3004012-48S	4	G3/8"	10~12mm	0	48	216
3004012-1210-36S	4	G3/8"	10~12mm	12	36	216
3004012-4810	4	G3/8"	10~12mm	48	0	216
3004012-60S	4	G3/8"	10~12mm	0	60	264
3004012-1210-48S	4	G3/8"	10~12mm	12	48	264
3004012-72S	4	G3/8"	10~12mm	0	72	312
3004012-2410-48S	4	G3/8"	10~12mm	24	48	312

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3004012-84S	4	G3/8"	10~12mm	0	84	360
3004012-2410-60S	4	G3/8"	10~12mm	20	60	360
3004012-96S	4	G3/8"	10~12mm	0	96	408
3004012-108S	4	G3/8"	10~12mm	0	108	456
3004012-120S	4	G3/8"	10~12mm	0	120	504

Technical Specification

Rotary Union Specification				
Passages	4 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	10~12mm Pipe(G3/8")	torque	<0.4N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

3008012 Series 8 Passages Pneumatic & Hydraulic Rotary Unions

8 Passage(G3/8" port, 10~12mm pipes)+Electrical(Power/Signal)

support G3/8" port for 10~12mm pipes, can transfer various mediums including compressed air, steam, vacuum, negative pressure, positive pressure, cooling water, hot oil, etc when 360° rotating, it also can combine to transmit electrical power and signal.



Part No. Description

3008012 - Power Circuits - Signal Circuits

8 Passage Rotary Unions
G3/8" port, 12mm pipes

For example:

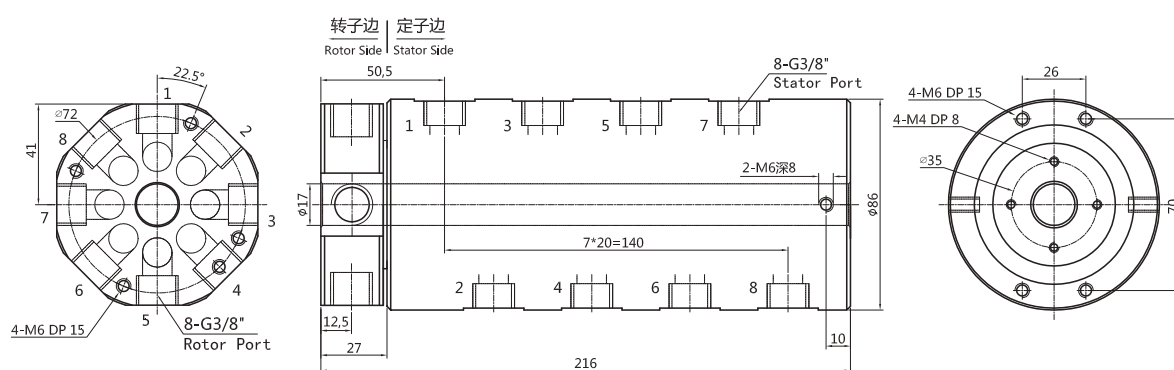
0610:6 circuits@10A 1230:12 circuits@30A

For example:

06S:6 circuits signal@2A

12S:12 circuits signal@2A

3008012 (Rotary Union Only) Drawing, 8 Passage(10~12mm pipe)

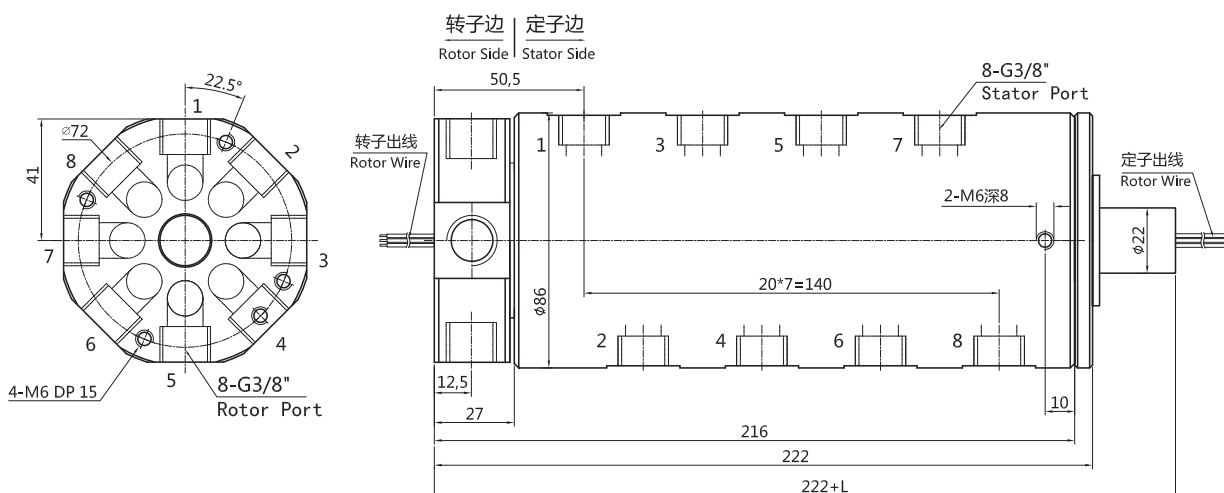


Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3008012	8	G3/8"	10~12mm

3008012-X4S 8 Passage(10~12mm pipe)

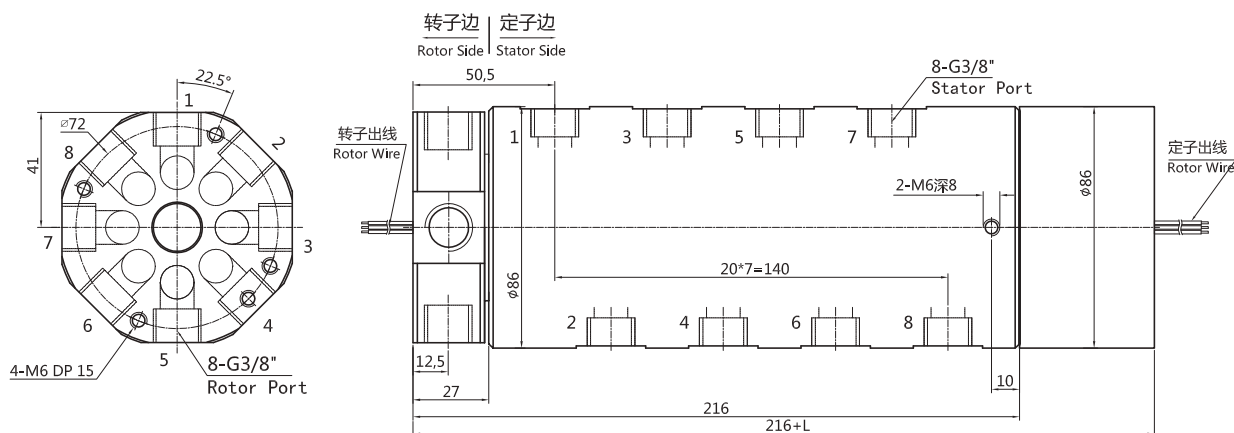
+6~56 circuits electrical signal@2A (Suitable for Solenoid valve or Sensor switch Signals)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3008012-06	8	G3/8 "	10~12mm	6	14
3008012-12	8	G3/8 "	10~12mm	12	21
3008012-24S	8	G3/8 "	10~12mm	24	35
3008012-36S	8	G3/8 "	10~12mm	36	52.3
3008012-56S	8	G3/8 "	10~12mm	56	82

3008012 (Rotary Union Only) Drawing,8 Passage(10~12mm pipe)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3008012-06S	8	G3/8 "	10~12mm	0	6	48
3008012-0610	8	G3/8 "	10~12mm	6	0	48
3008012-12S	8	G3/8 "	10~12mm	0	12	72
3008012-0610-06S	8	G3/8 "	10~12mm	6	6	72
3008012-1210	8	G3/8 "	10~12mm	12	0	72
3008012-0610-12S	8	G3/8 "	10~12mm	6	12	96
3008012-1210-06S	8	G3/8 "	10~12mm	12	6	96
3008012-18S	8	G3/8 "	10~12mm	0	18	96
3008012-1810	8	G3/8 "	10~12mm	18	0	96
3008012-0610-18S	8	G3/8 "	10~12mm	6	18	120
3008012-24S	8	G3/8 "	10~12mm	0	24	120
3008012-2410	8	G3/8 "	10~12mm	24	0	120
3008012-36S	8	G3/8 "	10~12mm	0	36	168
3008012-1210-24S	8	G3/8 "	10~12mm	12	24	168
3008012-3610	8	G3/8 "	10~12mm	36	0	168
3008012-48S	8	G3/8 "	10~12mm	0	48	216
3008012-1210-36S	8	G3/8 "	10~12mm	12	36	216
3008012-4810	8	G3/8 "	10~12mm	48	0	216
3008012-60S	8	G3/8 "	10~12mm	0	60	264
3008012-1210-48S	8	G3/8 "	10~12mm	12	48	264
3008012-72S	8	G3/8 "	10~12mm	0	72	312
3008012-2410-48S	8	G3/8 "	10~12mm	24	48	312
3008012-84S	8	G3/8 "	10~12mm	0	84	360
3008012-2410-60S	8	G3/8 "	10~12mm	20	60	360

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3008012-96S	8	G3/8 "	10~12mm	0	96	408
3008012-108S	8	G3/8 "	10~12mm	0	108	456
3008012-120S	8	G3/8 "	10~12mm	0	120	504

Technical Specification

Rotary Union Specification				
Passages	8 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	10~12mm Pipe(G3/8")	torque	<0.8N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

12 Passage(G3/8" port,10~12mm pipes)+Electrical(Power/Signal)

support G3/8" port for 10~12mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.



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3012012 - Power Circuits - Signal Circuits

12 Passage Rotary Unions
G3/8" port , 12mm pipes

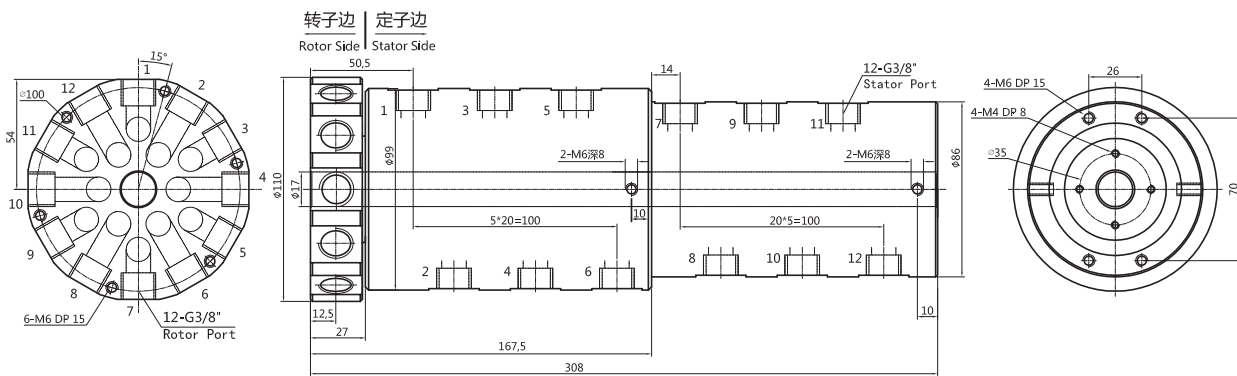
For example:

0610:6 circuits@10A 1230:12 circuits@30A

For example:

06S:6 circuits signal@2A

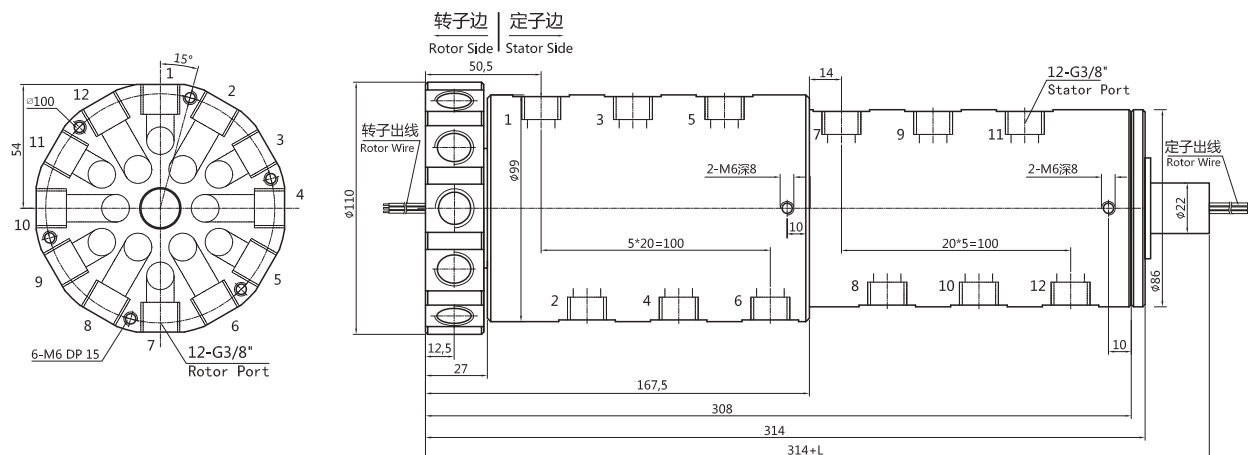
12S:12 circuits signal@2A



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3012012	12	G3/8 "	10~12mm

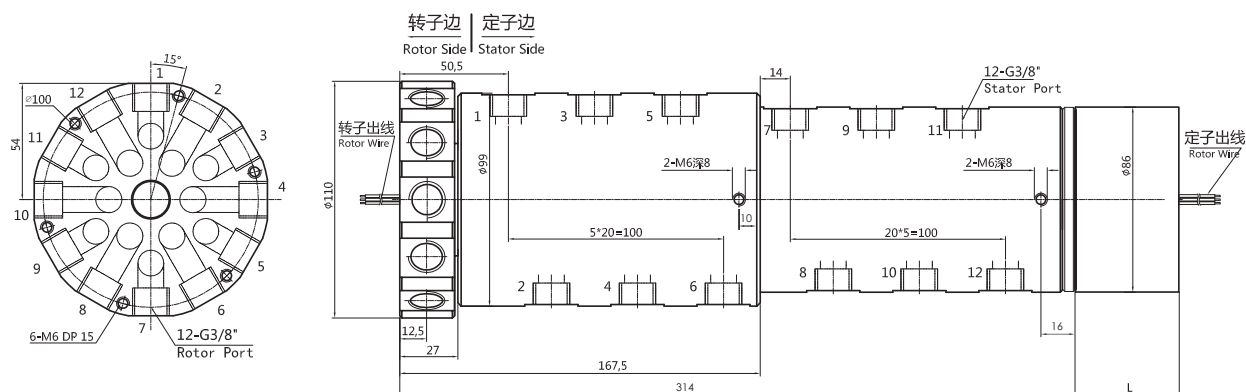
3012012-X4S 12 Passage(10~12mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3012012-06	12	G3/8"	10~12mm	6	14
3012012-12	12	G3/8"	10~12mm	12	21
3012012-24S	12	G3/8"	10~12mm	24	35
3012012-36S	12	G3/8"	10~12mm	36	52.3
3012012-56S	12	G3/8"	10~12mm	56	82

3012012-X3AX4S 12 Passage(10~12mm pipe)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages	Port Size	Pipe Size	Circuits		Length L(mm)
				Power(10A)	Signal(2A)	
3012012-06S	12	G3/8"	10~12mm	0	6	48
3012012-0610	12	G3/8"	10~12mm	6	0	48
3012012-12S	12	G3/8"	10~12mm	0	12	72
3012012-0610-06S	12	G3/8"	10~12mm	6	6	72
3012012-1210	12	G3/8"	10~12mm	12	0	72
3012012-0610-12S	12	G3/8"	10~12mm	6	12	96
3012012-1210-06S	12	G3/8"	10~12mm	12	6	96
3012012-18S	12	G3/8"	10~12mm	0	18	96
3012012-1810	12	G3/8"	10~12mm	18	0	96
3012012-0610-18S	12	G3/8"	10~12mm	6	18	120
3012012-24S	12	G3/8"	10~12mm	0	24	120
3012012-2410	12	G3/8"	10~12mm	24	0	120
3012012-36S	12	G3/8"	10~12mm	0	36	168
3012012-1210-24S	12	G3/8"	10~12mm	12	24	168
3012012-3610	12	G3/8"	10~12mm	36	0	168
3012012-48S	12	G3/8"	10~12mm	0	48	216
3012012-1210-36S	12	G3/8"	10~12mm	12	36	216
3012012-4810	12	G3/8"	10~12mm	48	0	216
3012012-60S	12	G3/8"	10~12mm	0	60	264
3012012-1210-48S	12	G3/8"	10~12mm	12	48	264
3012012-72S	12	G3/8"	10~12mm	0	72	312
3012012-2410-48S	12	G3/8"	10~12mm	24	48	312
3012012-84S	12	G3/8"	10~12mm	0	84	360
3012012-2410-60S	12	G3/8"	10~12mm	20	60	360
3012012-96S	12	G3/8"	10~12mm	0	96	408
3012012-108S	12	G3/8"	10~12mm	0	108	456
3012012-120S	12	G3/8"	10~12mm	0	120	504

Technical Specification

Rotary Union Specification				
Passages	8 Passage	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	10~12mm Pipe(G3/8")	torque	<1.2N.m	
Mechanical parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
		Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Working Temp.	-30℃~80℃			
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

3402004 Series Two Passage Hollow Shaft Rotary Unions(with center hole 20mm)

2 Passage(M5 port,4~6mm pipes)+Electrical(Power/Signal)

support M5 port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.



Part No. Description

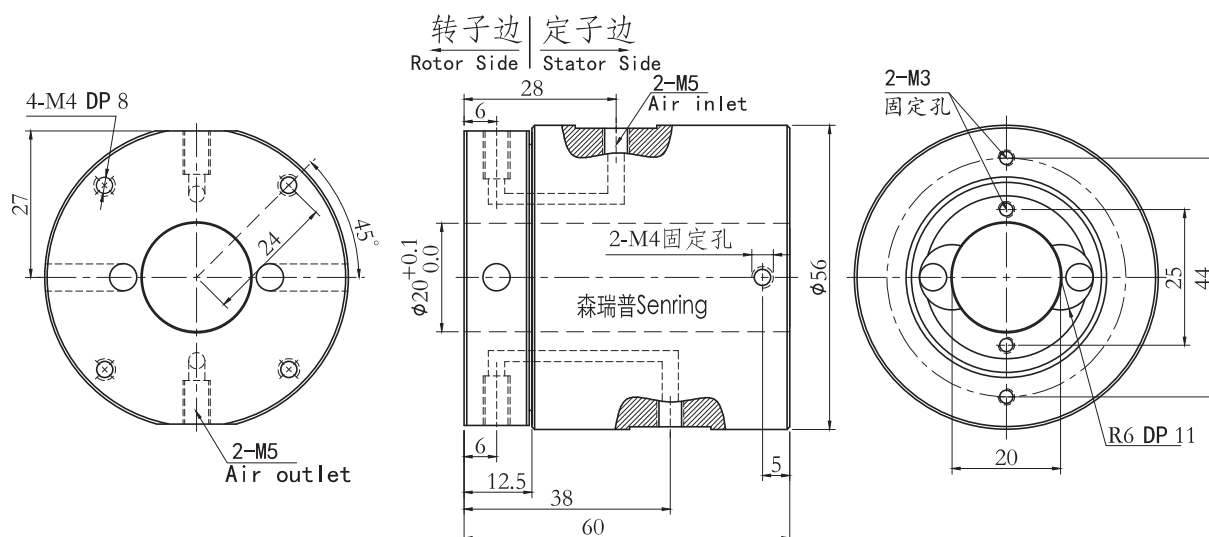
3402004 - Power Circuits - Signal Circuits

2 Passage Rotary Unions
M5 port ,4~6mm pipes
with center hole 20mm

For example:
05:5A 10:10A

For example:
06:6 circuits 12:12 circuits

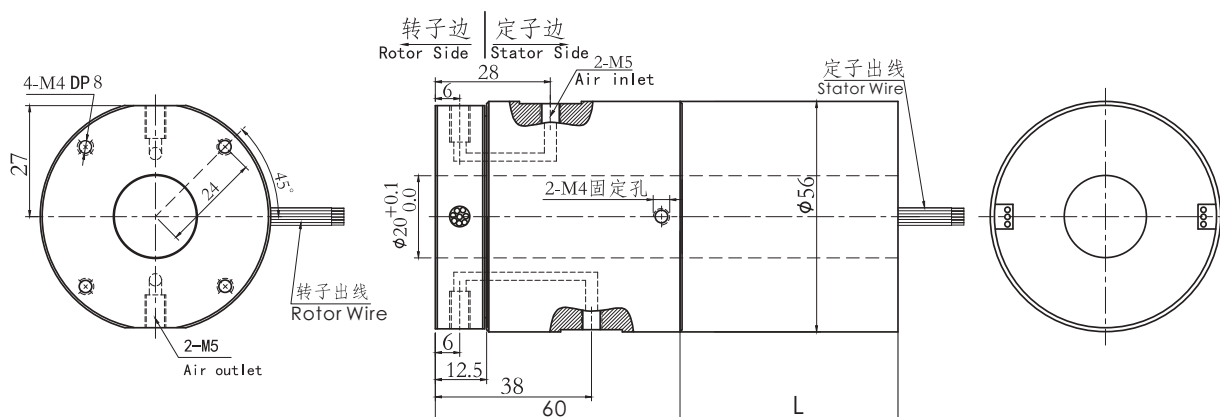
3402004 (Rotary Union Only) Drawing,2 Passage(4~6mm pipe,with center hole 20mm)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3402004	2	M5	4~6mm

3402004-X3AX4S 2 Passage(4~6mm pipe,with center hole 20mm)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(5A/10A)	Length L(mm)
3402004-0605	2	M5	4~6mm	6	34.5
3402004-1205	2	M5	4~6mm	12	52.5

Technical Specification

Rotary Union Specification				
Passages	2 Passage(Gas/Flow)	Max. Pressure	1Mpa, Vacuum -100kPa	
Pipe size	4mm Pipe(M5)	torque	<0.2N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

3404004 Series Two Passage Hollow Shaft Rotary Unions(with center hole 20mm)

4 Passage(M5 port,4~6mm pipes)+Electrical(Power/Signal)

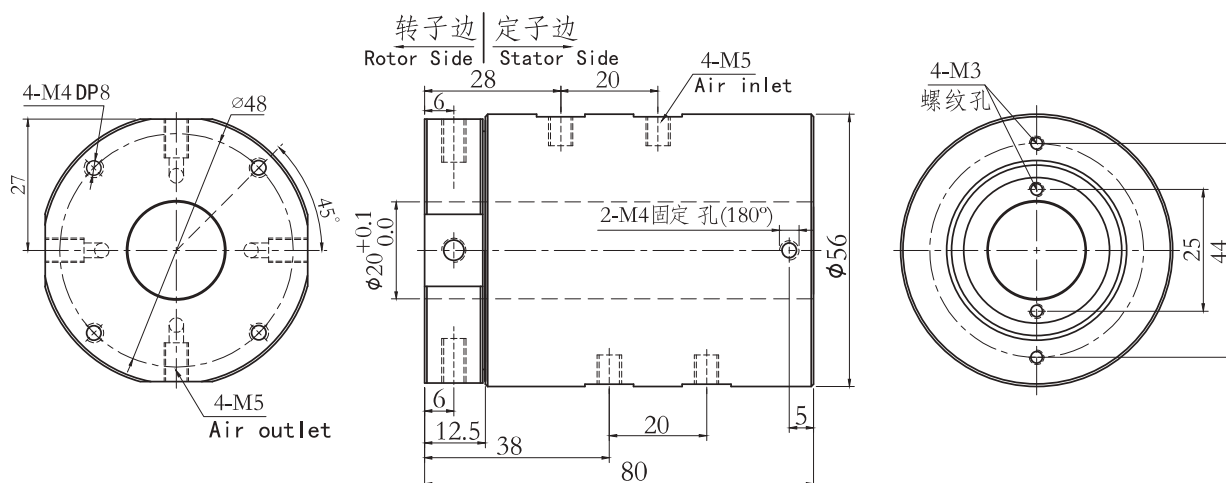
support M5 port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.



Part No. Description

3404004 - Power Circuits - Signal Circuits		For example:
4 Passage Rotary Unions M5 port ,4~6mm pipes with center hole 20mm		05:5A 10:10A
		For example: 06:6 circuits 12:12 circuits

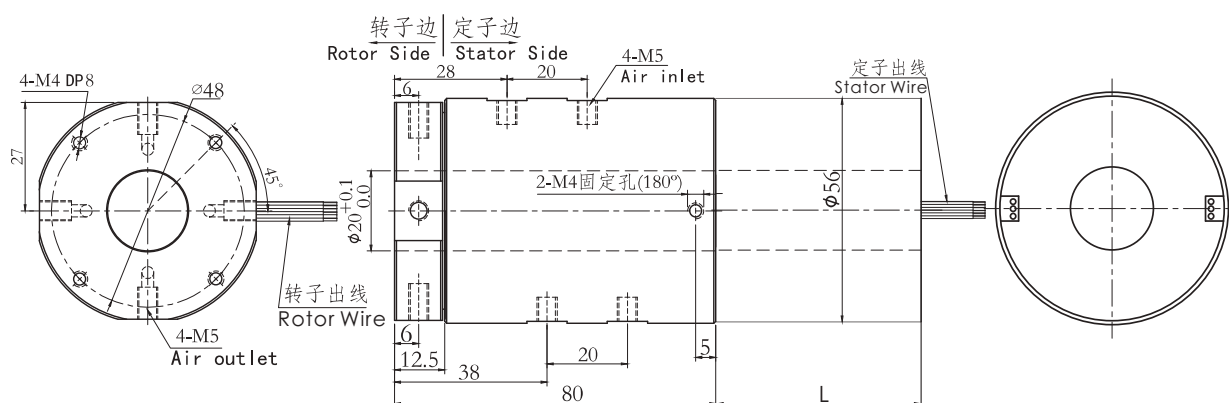
3404004 (Rotary Union Only) Drawing,4 Passage(4~6mm pipe,with center hole 20mm)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3404004	4	M5	4~6mm

3404004-X3AX4S 4 Passage(4~6mm pipe,with center hole 20mm)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(5A/10A)	Length L(mm)
3404004-0605	4	M5	4~6mm	6	34.5
3404004-1205	4	M5	4~6mm	12	57.5

Technical Specification

Rotary Union Specification				
Passages	4 Passage(Gas/Flow)	Max. Pressure	1Mpa, Vacuum -100kPa	
Pipe size	4mm Pipe(M5)	torque	<0.4N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

3502006 Series Two Passage Hollow Shaft Rotary Unions(with center hole 50mm)



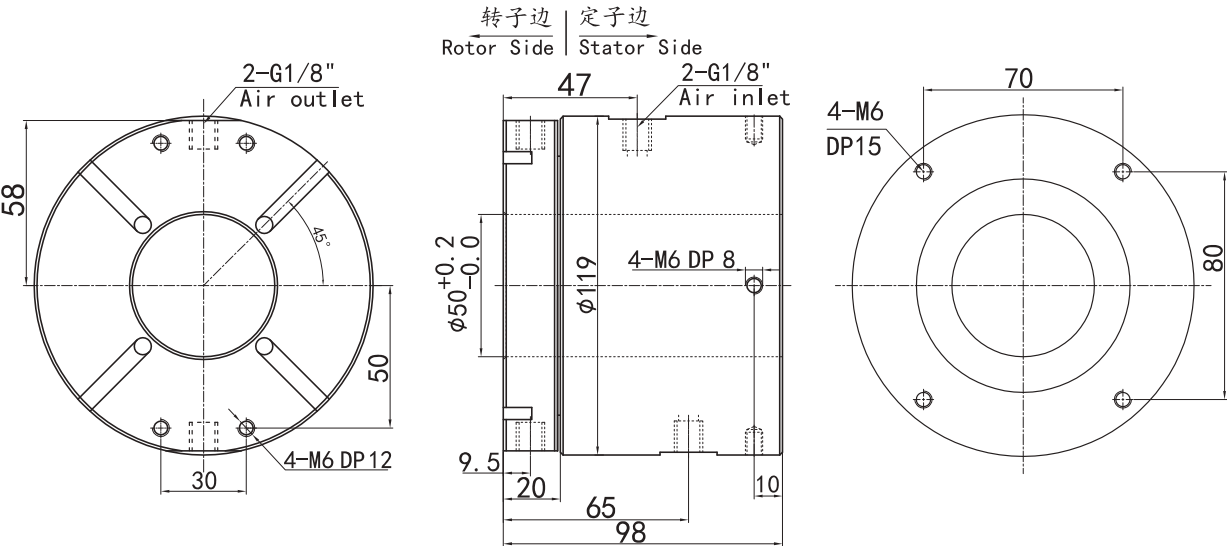
2 Passage(G1/8" port,6~8mm pipes)+Electrical(Power/Signal)

support G1/8" port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.

Part No. Description

Part No.	Description	3502006 - Power Circuits - Signal Circuits	
		For example: 05:5A 10:10A	For example: 06:6 circuits 12:12 circuits
2 Passage Rotary Unions G1/8" port ,6~8mm pipes with center hole 50mm			

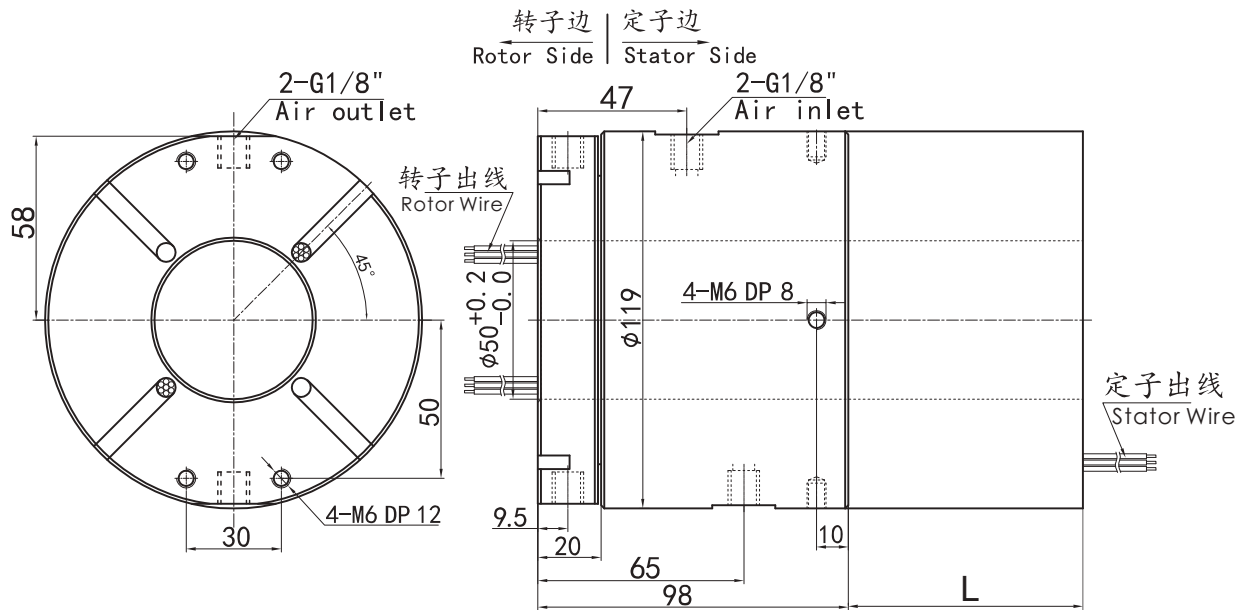
3502006 (Rotary Union Only) Drawing,2 Passage(6~8mm pipe,with center hole 50mm)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3502006	2	G1/8"	6~8mm

3502006-X3AX4S 2 Passage(6~8mm pipe,with center hole 50mm)+electrical power/signal(5A,10A option)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Power(10A)	Signal(0~5A)	Length L(mm)
3502006-1205	2	G1/8"	6~8mm	0	12	74
3502006-1210	2	G1/8"	6~8mm	12	0	74
3502006-1805	2	G1/8"	6~8mm	0	18	100
3502006-1810	2	G1/8"	6~8mm	18	0	100
3502006-2405	2	G1/8"	6~8mm	0	24	124
3502006-2410	2	G1/8"	6~8mm	24	0	124

Technical Specification

Rotary Union Specification				
Passages	2 Passage(Gas/Flow)	Max. Pressure	1Mpa, Vacuum -100kPa	
Pipe size	6mm Pipe(G1/8")	torque	<0.2N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU

31002006 Series Four Passage Hollow Shaft Rotary Unions(with center hole 100mm)



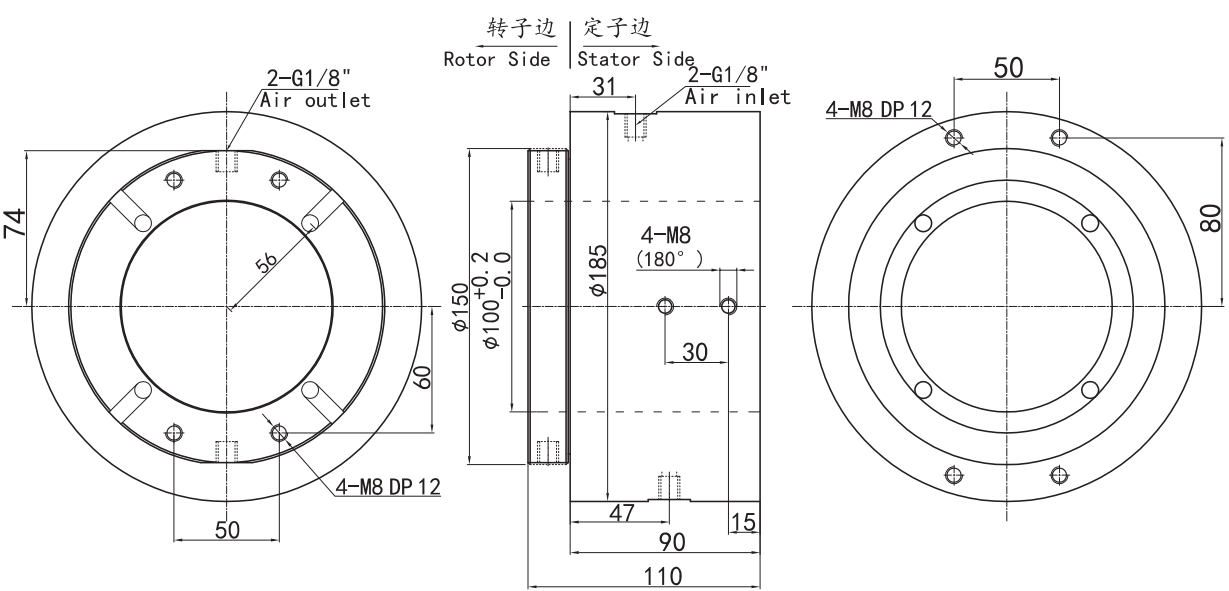
4 Passage(G1/8" port,6~8mm pipes)+Electrical(Power/Signal)

support G1/8" port for 6~8mm pipes,can transfer various mediums including compressed air,steam,vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to transmit electrical power and signal.

Part No. Description

Part No.	31002006 - Power Circuits - Signal Circuits			
4 Passage Rotary Unions G1/8" port ,6~8mm pipes with center hole 100mm				For example: 05:5A 10:10A
				For example: 06:6 circuits 12:12 circuits

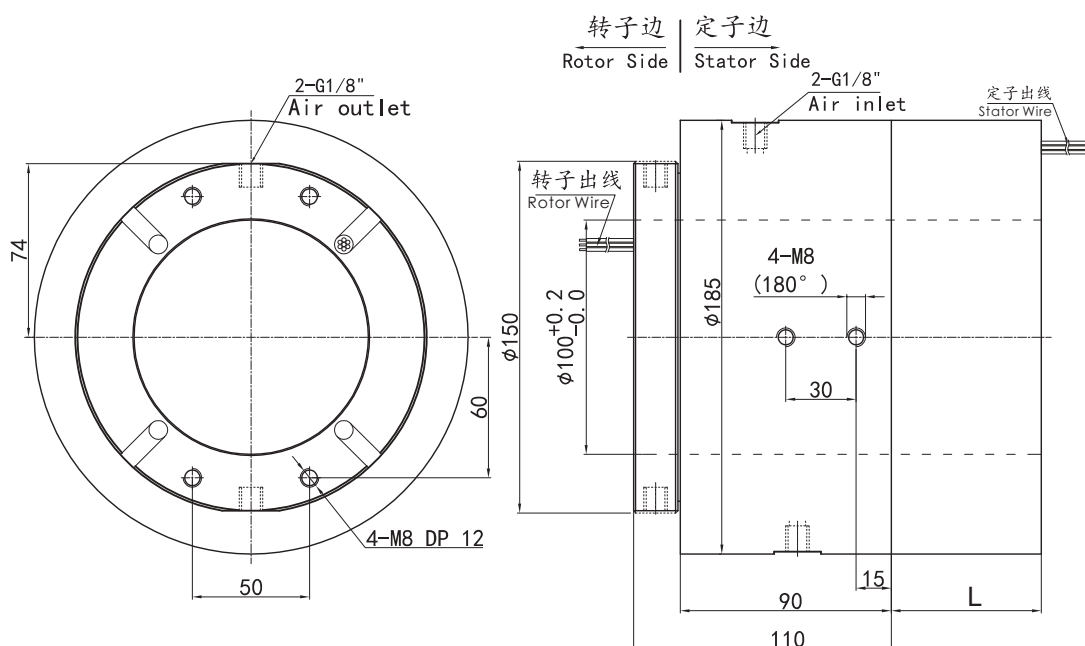
31002006 (Rotary Union Only) Drawing,4 Passage(6~8mm pipe,with center hole 100mm)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
31002006	4	G1/8"	6~8mm

31002006-X3AX4S 4 Passage(6~8mm pipe,with center hole 100mm)+electrical power/signal(5A, 10A option)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Power(10A)	Signal(0~5A)	Length L(mm)
31002006-0605	4	G1/8"	6~8mm	0	6	64
31002006-0610	4	G1/8"	6~8mm	6	0	64
31002006-1205	4	G1/8"	6~8mm	0	12	88
31002006-1210	4	G1/8"	6~8mm	12	0	88
31002006-1805	4	G1/8"	6~8mm	0	18	112
31002006-1810	4	G1/8"	6~8mm	18	0	112
31002006-2405	4	G1/8"	6~8mm	0	24	136
31002006-2410	4	G1/8"	6~8mm	24	0	136

Technical Specification

Rotary Union Specification				
Passages	4 Passage(Gas/Flow)	Max. Pressure	1Mpa, Vacuum -100kPa	
Pipe size	6mm Pipe(G1/8")	torque	<0.2N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
		Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Working Temp.	-30℃~80℃			
Work Humidity	0~85% RH	Lead Wire Length	standard 250mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU