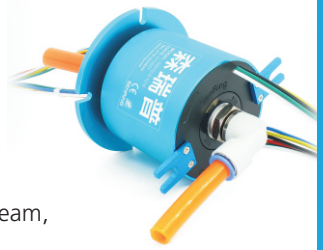


# 3001012 Series 1-Passages Rotary Unions



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

support G1/2" port for 12~15mm 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.

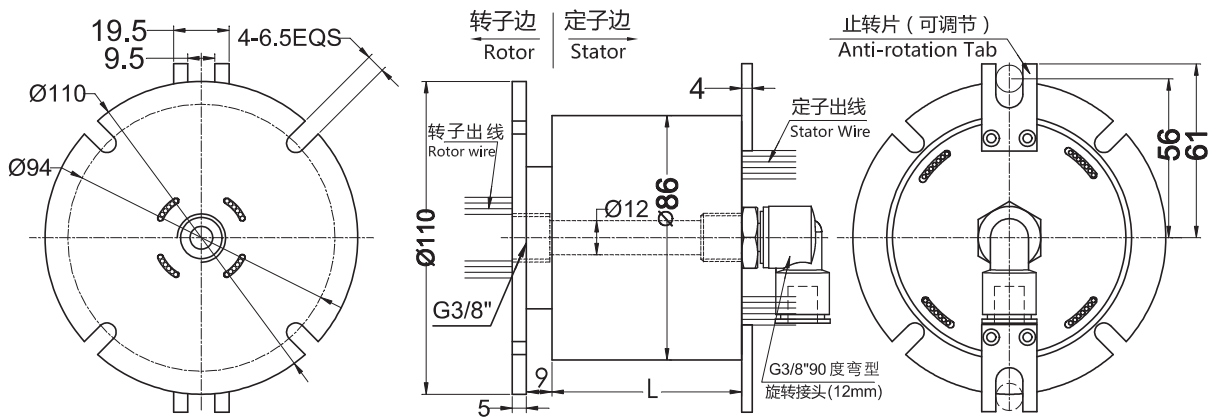
## Part No. Description

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

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

### 3001012 - Power Circuits - Signal Circuits

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



## Standard Model List

Model	Passages	Circuits		Length L(mm)
		Power(10A)	Signal(0~5A)	
3001012-02S	1	0	2	32
3001012-0210	1	2	0	32
3001012-03S	1	0	3	36
3001012-0310	1	3	0	36
3001012-06S	1	0	6	48
3001012-0210-04S	1	2	4	48
3001012-0410-02S	1	4	2	48
3001012-0610	1	6	0	48
3001012-12S	1	0	12	72
3001012-0210-10S	1	2	10	72
3001012-0310-09S	1	3	9	72
3001012-0610-06S	1	6	6	72
3001012-0810-04S	1	8	4	72
3001012-1010-02S	1	10	2	72
3001012-1210	1	12	0	72
3001012-18S	1	0	18	96
3001012-0210-16S	1	2	16	96
3001012-0410-14S	1	4	14	96
3001012-0610-12S	1	6	12	96
3001012-0810-10S	1	8	10	96
3001012-1010-08S	1	10	8	96
3001012-1210-06S	1	12	6	96
3001012-1410-04S	1	14	4	96
3001012-1610-02S	1	16	2	96

Model	Passages	Circuits		Length L(mm)
		Power(10A)	Signal(0~5A)	
3001012-24S	1	0	24	120
3001012-0410-20S	1	4	20	120
3001012-0610-18S	1	6	18	120
3001012-1210-12S	1	12	12	120
3001012-1810-06S	1	18	6	120
3001012-2410	1	24	0	120
3001012-30S	1	0	30	144
3001012-0610-24S	1	6	24	144
3001012-1210-18S	1	12	18	144
3001012-1810-12S	1	18	12	144
3001012-2410-06S	1	24	6	144
3001012-3010	1	30	0	144
3001012-36S	1	0	36	168
3001012-0610-30S	1	6	30	168
3001012-1210-24S	1	12	24	168
3001012-3610	1	36	0	168
3001012-42S	1	0	42	192
3001012-0610-36S	1	6	36	192
3001012-1210-30S	1	12	30	192
3001012-48S	1	0	48	216
3001012-0610-42S	1	6	42	216
3001012-1010-38S	1	10	38	216
3001012-1210-36S	1	12	36	216
3001012-1810-30S	1	18	30	216
3001012-2410-24S	1	24	24	216
3001012-60S	1	0	60	264
3001012-0610-54S	1	6	54	264
3001012-1010-50S	1	10	50	264
3001012-72S	1	0	72	312
3001012-96S	1	0	96	408

### Technical Specification

Rotary Union Specification					
Passages	1 Passage(Gas/Flow)	Max. Pressure	10Mpa, Vacuum -90kPa		
Pipe size	12mm Pipe(G3/8")	torque	<0.2N.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°C~80°C	Lead Wire Length	standard 200mm(can be customized)		
Work Humidity	0~85% RH	Insulation Resistance	500VAC@50Hz,6s		
Contact Material	precious metal	Electrical Noise	<0.01Ω		
Housing Material	aluminum alloy				
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