

## 4 Passages Pneumatic & Hydraulic Rotary Unions

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

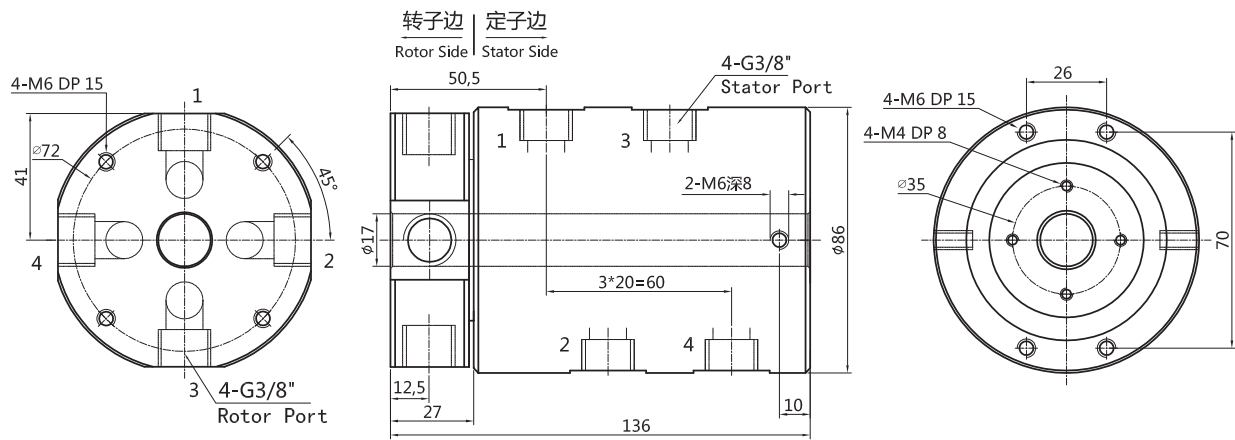
support G3/8" port for 10~12mm pipes, can transfer various mediums including compressed air, steam, vacuum, negative pressure, positive pressure, cooling water, hot oil, etc when 360° rotating, it also can combine to transmit electrical power and signal.



### 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

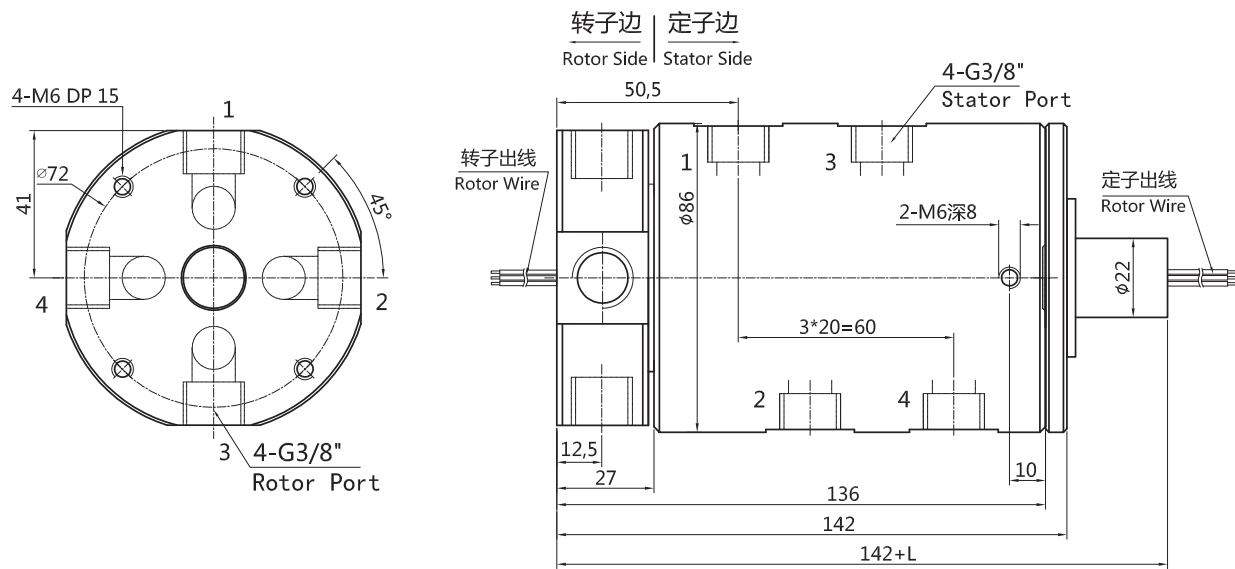
### 3004012 (Rotary Union Only) Drawing, 4 Passage(10~12mm pipe)



### 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)





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 -90kPa	
Pipe size	10~12mm Pipe(G3/8")		torque	<0.4N.m	
Mechanical parameters			Electrical parameters		
Spec.	Data		Spec.	Data	
Working Life	20millions for ref (depends on working conditions)		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
			Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Max. Speed	250RPM continuously, 1000RPM intermittently		Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
			Lead Wire Length	standard 250mm(can be customized)	
Working Temp.	-30°C~80°C		Insulation Resistance	500VAC@50Hz,6s	
Work Humidity	0~85% RH		Electrical Noise	<0.01Ω	
Contact Material	precious metal		IP Grade		
Housing Material	aluminum alloy		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