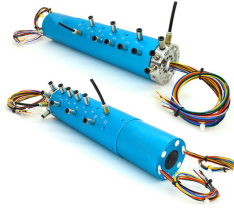


## 3012004 Series 12 Passages Pneumatic/Hydraulic+Electric Rotary Unions

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

support M5 port for 4mm 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.



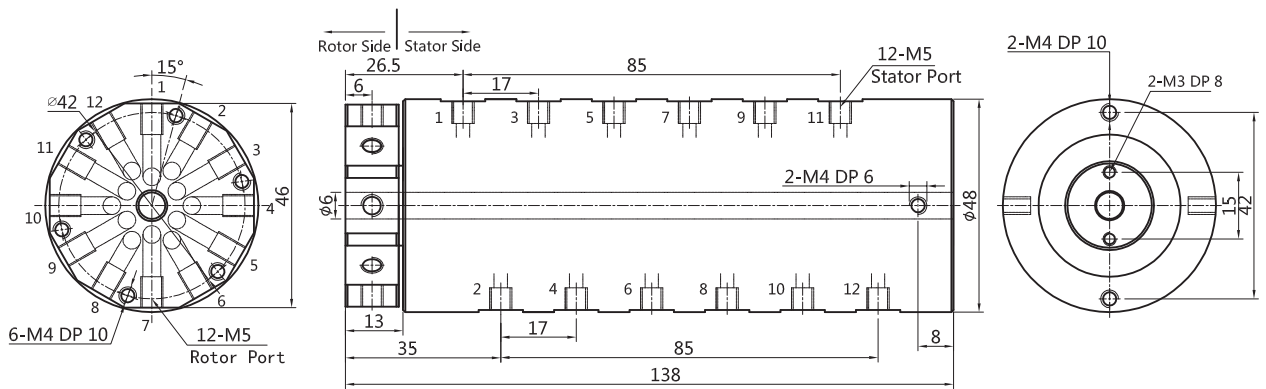
### Part No. Description

3012004 - Signal Circuits

12 Passage Rotary Unions  
support 12 M5 port for 4mm pipes

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

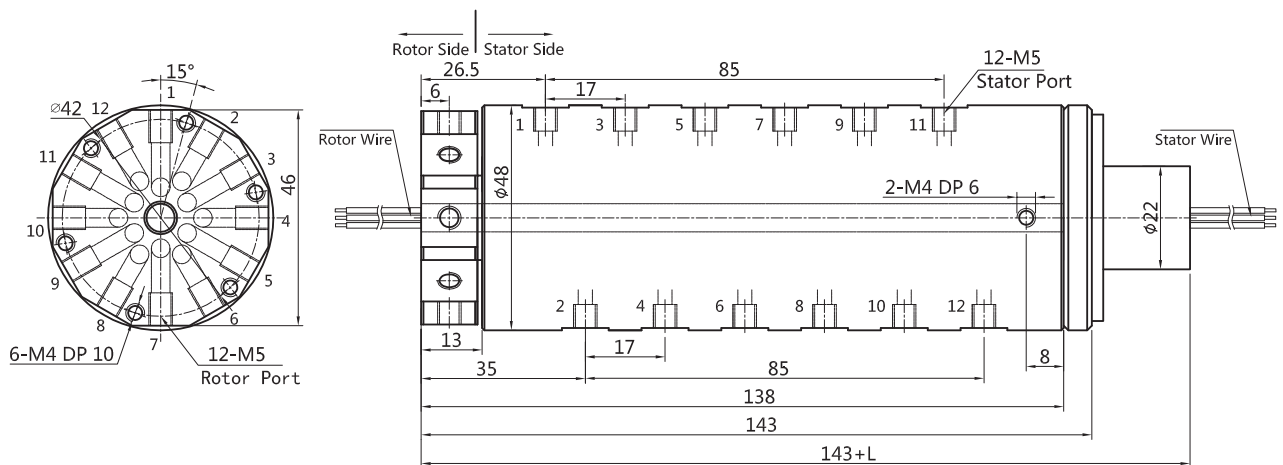
3012004 (Rotary Union Only) Drawing, 12 Passage(4mm pipe)



### Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3012004	12	M5	4~6mm

3012004-X43012 passages (4mm pipe)  
+6~36 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)
3012004-06S	12	M5	4~6mm	6	14
3012004-12S	12	M5	4~6mm	12	21
3012004-24S	12	M5	4~6mm	24	35
3012004-36S	12	M5	4~6mm	36	52

## Technical Specification

Rotary Union Specification				
Passages	12 Passage(Gas/Flow)	Max. Pressure	1Mpa, Vacuum -1.5kPa	
Pipe size	4mm Pipe(M5)	torque	<1.2N.m	
Mechanical 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	0~240VAC/VDC	0~240VAC/VDC
Working Temp.	-30°C~80°C	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Work Humidity	0~85% RH	Lead Wire Spec.	AWG26# Silver-plated teflon wire	AWG26# 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	

## 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