3002004 Series 2 Passages Pnuematic/Hydraulic+Electric Rotary Unions

2 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.

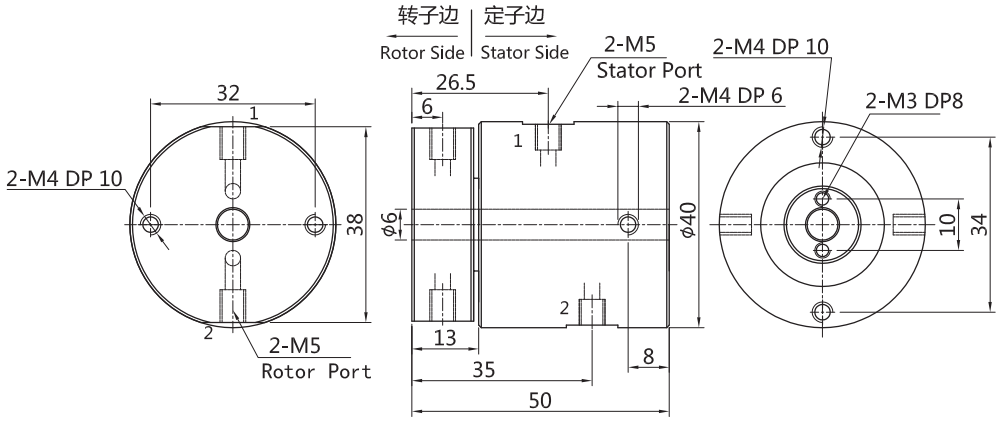
Part No. Description

3002004 - Signal Circuits

2 Passage Rotary Unions
support 2 M5 port for 4mm pipes

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

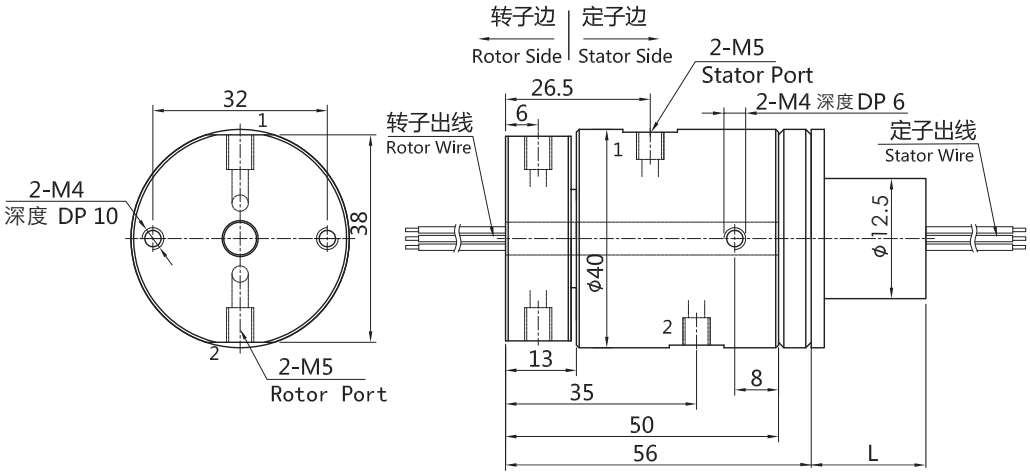
3002004 (Rotary Union Only) Drawing,2 Passage(4mm pipe)



Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size
3002004	2	M5	4~6mm

3002004-X4S 2 Passage(4mm pipe)+ 6~36 circuits electrical signal@2A（Suitable for Solenoid valve or Sensor switch Signals)



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Standard Model List

Model	Passages(Gas/Flow)	Port Size	Pipe Size	Signal Circuits(2A)	Length L(mm)
3002004-06S	2	M5	4~6mm	6	13.5
3002004-12S	2	M5	4~6mm	12	18.2
3002004-18S	2	M5	4~6mm	24	23.5

Technical Specification

Rotary Union Specification				
Passages	2 Passage(Gas/Flow)	Max. Pressure	1Mpa, Vacuum -90kPa	
Pipe size	4mm Pipe(M5)	torque	<0.2N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
			Power	Signal
Working Life	20millions for ref (depends on working conditions)	Voltage Range	0~240VAC/VDC	0~240VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30°C~80°C	Lead Wire Spec.	AWG26# Silver-plated teflon wire	AWG26# 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

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