

3001004 Series 1-Passages Rotary Unions

1 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.



3001004 Series

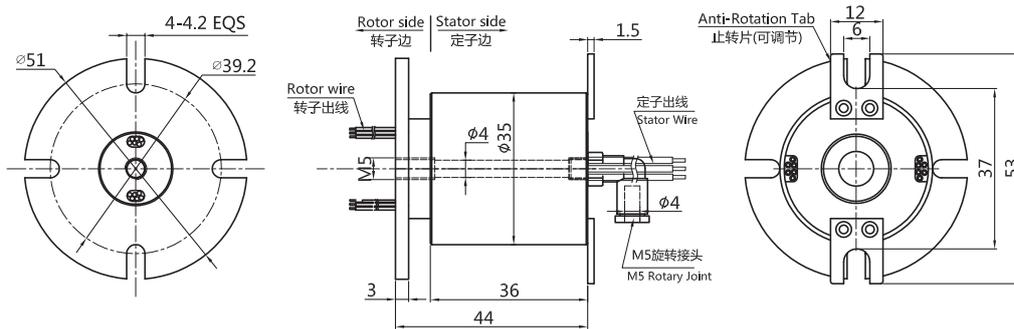
Part No. Description

1 Passage Rotary Unions
M5 port ,4mm pipes

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

3001004 - 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) | |
| 3001004-06S | 1 | 0 | 6 | 36 |
| 3001004-08S | 1 | 0 | 8 | 36 |
| 3001004-0610 | 1 | 6 | 0 | 36 |
| 3001004-12S | 1 | 0 | 12 | 36 |

Technical Specification

| Rotary Union Specification | | | |
|----------------------------|---|-----------------------|-----------------------------------|
| Passages | 1 Passage(Gas/Flow) | Max. Pressure | 10Mpa, Vacuum -90kPa |
| Pipe size | 4mm Pipe(M5) | torque | <0.2N.m |
| Mechanical parameters | | Electrical parameters | |
| Spec. | Data | Spec. | Data |
| Working Life | 10millions for ref (depends on working conditions) | Voltage Range | 0~440VAC/VDC |
| | | Insulation Resistance | <500M Ω /300VDC |
| Max. Speed | 250RPM continously, 1000RPM intermittently | Lead Wire Spec. | AWG17# Silver-plated teflon wire |
| | | Lead Wire Length | standard 200mm(can be customized) |
| Working Temp. | -30°C~80°C | Insulation Resistance | 500VAC@50Hz,6s |
| Work Humidity | 0~85% RH | Electrical Noise | <0.01 Ω |
| Contact Material | precious metal | | |
| 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 |