

## THR-012T(B)

### Through Bore Slip Ring

#### General Description

Through hole slip rings are slip ring with through bore, this series are designed for being installed with flange on a sleeve bracket, also they totally meet with continuous transmission of power and/or signal under 360 degree unrestrained rotations. This kind of slip ring applies the best advanced fiber brush technology and precious metal multi-contacting, low noise, low contact pressure and maintenance free. Our standard through hole size could be from 12.7mm- 190mm are optional, the standard circuits are 6 rings, 12 rings, 18 rings and 24 rings are available, the current can be alternative from 2A-800A. Standardized & modularized design, we could fully customize the best suitable product according to the special requirement of customer.

#### Features:

- 1.Modular design & compact design
- 2.Transmit various analog and digital signal
- 3.Low wear and long work life time
- 4.Compatible with data bus protocols
- 5.360 degree continuous rotary power transmission or data signal

#### Option:

- 1.Current & Voltage
- 2.Circuits
- 3.Inner diameter, outer diameter and length
- 4.Work speed
- 5.Housing material and color
- 6.Protection degree
- 7.Lead wire exit direction
- 8.Lead wire length
- 9.Connector type
- 10.Signal and power transmitted single or together



#### Application

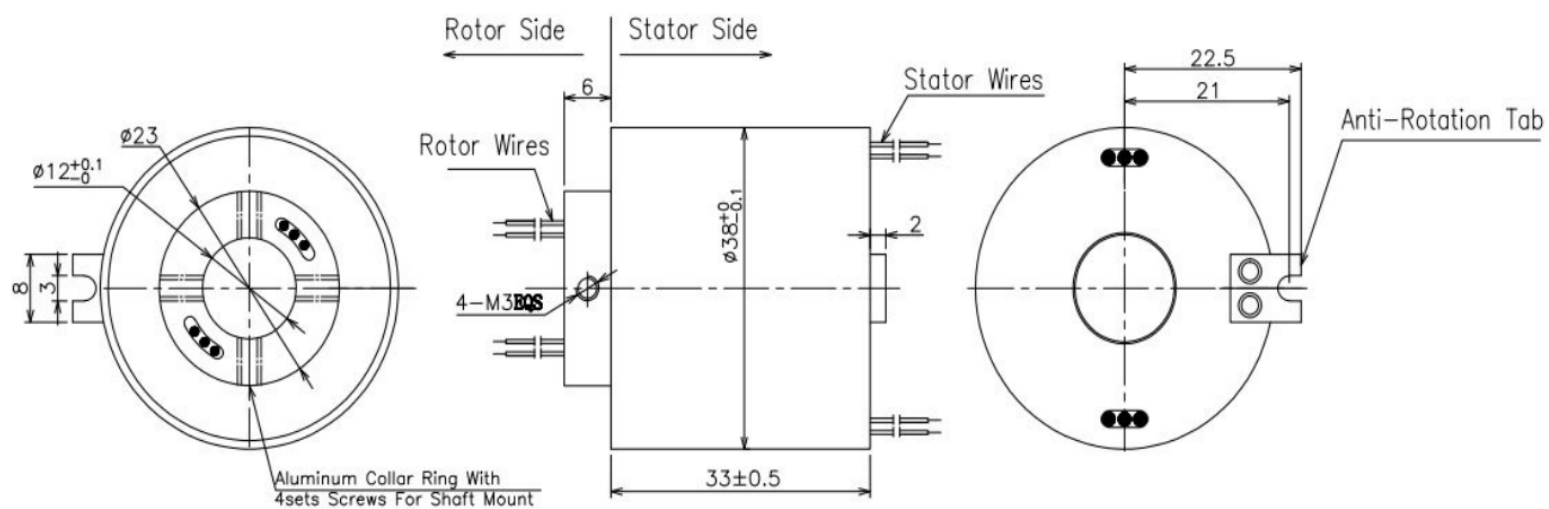
- 1.Radar, antenna, robotics
- 2.Turn table, rotary sensor
- 3.Engineering machinery equipment, cable wheel, test machine
- 4.Packing machine, medical equipment
- 5.Handling process control equipment
- 6.Military equipment
- 7.Wind turbine generator
- 8.Emergency lighting machine, exhibition/display equipment

## Specification:

| Specification         |                                    |
|-----------------------|------------------------------------|
| Circuits              | 1-6 circuits                       |
| Work Speed            | 0-200RPM                           |
| Work Temperature      | -20 ℃ - +60 ℃                      |
| Work Humidity         | 60%RH or higher                    |
| Voltage Rating        | 380VAC/DC                          |
| Current Rating        | 2A                                 |
| Dielectric Strength   | ≥1000VAC@50Hz between each circuit |
| Insulation Resistance | 1000MΩ@500VDC                      |
| Electrical Noise      | 1mΩ Min                            |
| Contact Materials     | Precious metal                     |
| Lead Wire Size        | Teflon® UL                         |
| Lead Wire Length      | Standard 300mm                     |
| Housing Materials     | Aluminum alloy                     |
| Torque                | ≤9.25 gm ( for reference )         |
| Protection            | IP54 or higher                     |

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## Drawing:



If you have specific customized requirement, please feel free to consult us so that our sales engineer could recommend the most suitable product to you for your reference.