

THR018-12AM

General Description

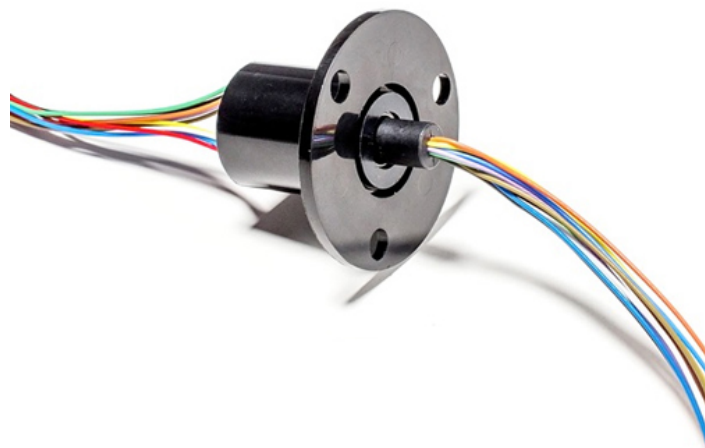
Capsule slip ring enjoys the main feature of compact design which could provide signal/power combination circuits (Ethernet, USB, RS, Canbus, video, sensor, power, control,etc.) The standard diameter of this series can be from 8mm-35mm, also it adopts advanced standard military degree surface processing technology to meet the demand of every customer. Gold to gold contact materials could make sure low electrical noise and longer work life time, specially suit for small and medium size equipment to transmit weak signal.

Features:

1. Gold to gold contact materials guarantee long life time
2. Low torque, low electrical noise and smooth rotation
3. Small compact construction
4. Compatible with data bus protocols
5. Continuous transmission of signal and/or data under 360 degree unrestrained rotation

Option:

1. Circuits
2. Current & Voltage
3. Work speed
4. Housing materials and color
5. Protection degree
6. Lead wire exit direction
7. Connector type
8. Signal and power transmission single or together



Application:

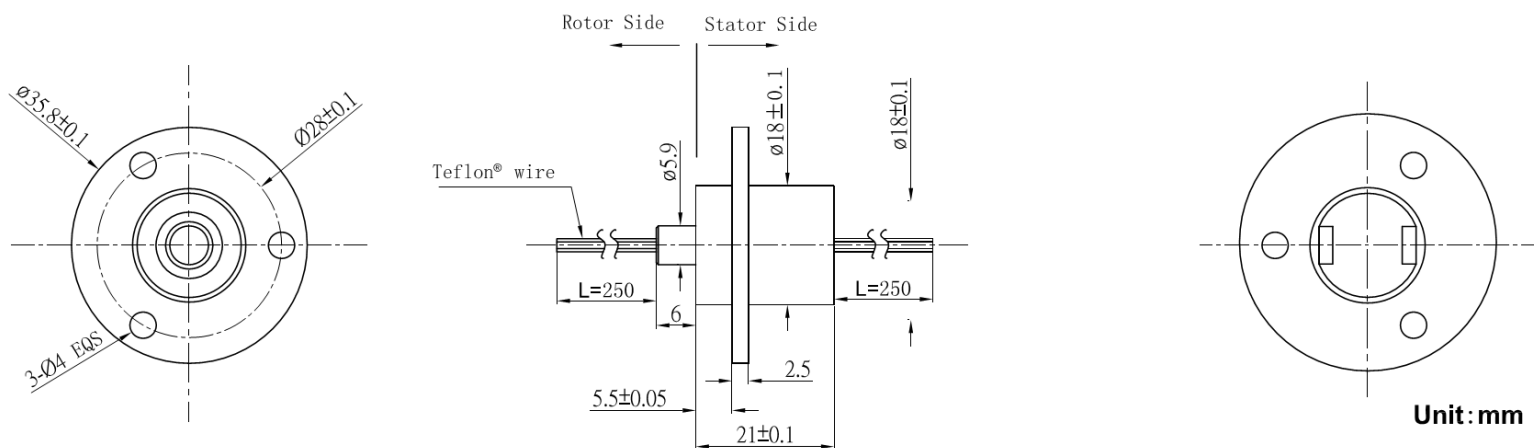
1. CCTV
2. Rotary table, exhibition/display equipment
3. Robotics
4. Medical equipment
5. Wind turbine generator
6. Industry process equipment

Specification:

| Specification | |
|-----------------------|----------------------------------|
| Circuits | 12 circuits |
| Work Speed | 0-300RPM |
| Work Temperature | -20℃ -+60℃ |
| Work Humidity | 60%RH or higher |
| Voltage Rating | 240VAC/DC |
| Current Rating | 1A or higher |
| Dielectric Strength | 500VAC@50Hz between each circuit |
| Insulation Resistance | 1000MΩ@500VDC |
| Electrical Noise | 1mΩ Min |
| Contact Materials | Gold to gold |
| Lead Wire Size | AWG30 Teflon® UL |
| Lead Wire Length | Standard 250mm |
| Housing Materials | Engineering plastic |
| Torque | ≤0.15 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.