

### High speed rotating slip ring - SH Series

Slip rings of the SH series are specially design for high speed slip ring, precision ball bearings and the patented fiber brush design allow operation up to 15,000 rpm. Fiber brush technology offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle, low contact force per fiber and low contact wear rates.

#### Features

- ◆ Compact design
- ◆ No maintenance
- ◆ Operating smoothly and reliability
- ◆ Extremely low electrical noise
- ◆ Convenient to assembly
- ◆ Compatible with data bus protocols
- ◆ Precious metal contact ensures long life-span

#### Typical applications

- ◆ Electrical test equipment
- ◆ Indexing tables, Cable reels
- ◆ Robotics, rotary sensors, urgent illumination equipment
- ◆ Exhibit / display equipment
- ◆ CCTV pan
- ◆ Laboratory equipment

#### Options

- ◆ Working speed
- ◆ Rated voltage
- ◆ Rated current
- ◆ No. of rings
- ◆ Connector
- ◆ Flange mounting
- ◆ Housing material
- ◆ Position of wire outlet, wire length
- ◆ Protection level (dust and water)

## Specifications for SHG0854-10

| Electrical Data       |                 | Mechanical Data     |                  |
|-----------------------|-----------------|---------------------|------------------|
| No. of Rings          | 10 rings        | Inner Diameter      | 8mm              |
| Rated Current         | 10A/ring        | Outer Diameter      | 54mm             |
| Rated Voltage         | 0~380VAC/240VDC | Working Speed       | 600-2000rpm      |
| Dielectric Strength   | 500VAC@50HZ,60S | Working Temperature | -20°C~+80°C      |
| Insulation Resistance | 500MΩ/1000VDC   | Working Humidity    | 60% RH or higher |
| Electrical Noise      | <0.01Ω          | Structure Material  | Aluminium alloy  |
| Lead Length           | 500mm           | Contact material    | Precious metals  |
|                       |                 | IP Rating           | IP54             |

## Drawing for Outline Dimension

