

## HM006 Series

HM006 series is a mini capsule slip ring with OD 6.5mm (4~12 rings optional), length 12mm to 17.4mm. Gold to gold contact material ensures low contact resistance, low torque and reliable performance.



## Features

- ◆ Compact design with OD 6.5mm, length 12mm to 17.4mm
- ◆ 4~12 rings optional
- ◆ Low torque, less than 0.06N.m
- ◆ Operating smoothly and reliability
- ◆ Extremely low electrical noise
- ◆ Convenient to assembly

## Optional

- ◆ Operation speed, current & voltage
- ◆ Connector
- ◆ Type of Flange
- ◆ No. of rings
- ◆ Housing material
- ◆ Position of wire outlet
- ◆ Protection level (dust and water)
- ◆ Compatible with FORJ, RF, digital signal, analog signal, data bus protocols, Ethernet signal and so on.

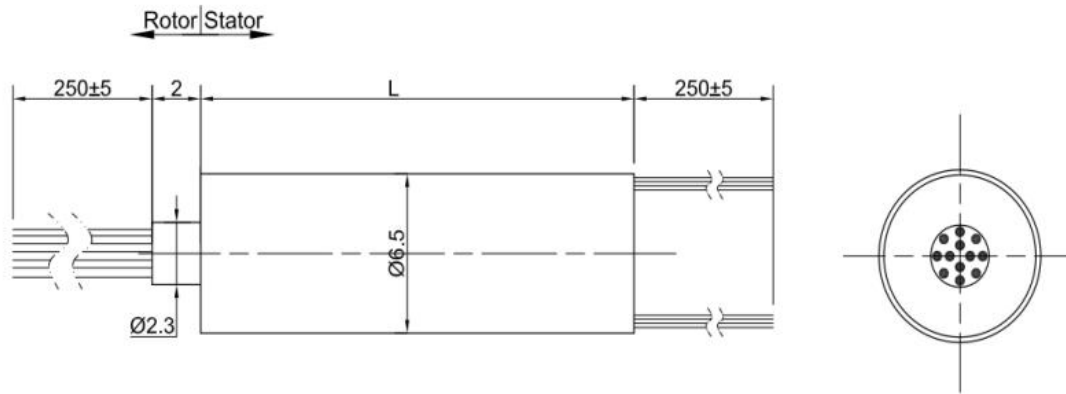
## Specifications

| Electrical Data       |  | Mechanical Data     |                     |
|-----------------------|--|---------------------|---------------------|
| Rated Voltage         | 0~240 VAC/VDC                                  | Max. Speed          | 0-250RPM            |
| Rated Current         | 0.6A/ring, 1A/ring                             | Working Temperature | -20°C~+80°C         |
| Lead Size             | AWG32/AWG30, Silver plated Teflon colour coded | Working Humidity    | 60% RH or higher    |
| Lead Length           | Standard 250mm (adjustable)                    | Housing Material    | Engineering plastic |
| Dielectric Strength   | 500VAC@50HZ,60S                                | Contact material    | Gold to gold        |
| Insulation Resistance | 500MΩ/500VDC                                   | IP rating           | IP51                |
| Electrical Noise      | <0.01Ω   |                     |                     |

## Lead Wires Color Code

|       |         |         |         |         |         |         |         |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Ring# | 1       | 2       | 3       | 4       | 5       | 6       | 7       | 8       | 9       | 10      | 11      | 12      |
| Color | RED     | BLK     | WHT     | YEL     | GRN     | BLU     | PUP     | GRY     | BRN     | ORN     | DBLU    | KHK     |
| Ring# | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      | 24      |
| Color | WHT-RED | WHT-BLK | WHT-BLU | WHT-PUP | WHT-BRN | WHT-GRN | WHT-ORN | WHT-YEL | WHT-GRY | WHT-RED | WHT-BLU | WHT-GRN |

## Drawing for HM006-nQ-SW



## Model List

| Model        | Number of Rings | Rated Current | Rated Voltage | Length (mm) |
|--------------|-----------------|---------------|---------------|-------------|
| HM006-4Q-SW  | 4               | 1A            | 0~240V        | 12.0        |
| HM006-6Q-SW  | 6               | 1A            | 0~240V        | 12.0        |
| HM006-8Q-SW  | 8               | 1A            | 0~240V        | 12.0        |
| HM006-12Q-SW | 12              | 0.6A          | 0~240V        | 17.4        |