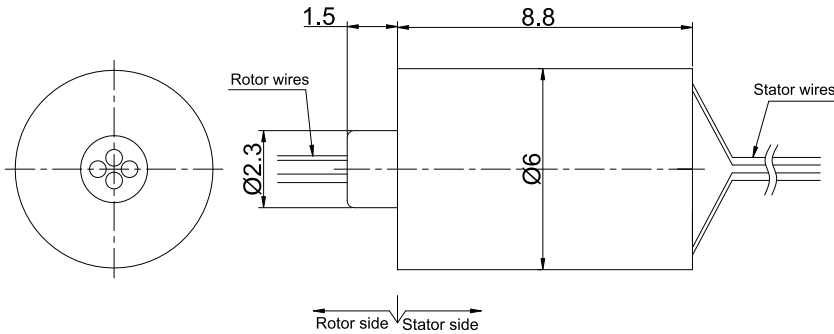
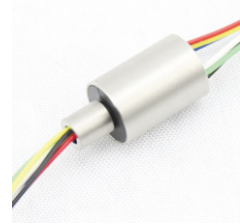


# MMC088 Miniature Capsule Slip Rings

## OD 6mm 4 circuits, 1A each circuit

MMC088 slip rings are small and compact with OD 6mm \* L 8.8mm, standard, off-the-shelf. Color-coded lead wires are used on both the stator and rotor for simplified electrical connections. Using a 90° V-groove ring design for each ring.

MMC0889 is the high-end version corresponding to MMC088, It has higher performance and longer working life, higher speed rotating speed, low noise.



### Part# Explanation

## MMC 088(9)

MMC:miniature capsule slip ring  
 088:common quality version  
 0889:high-end quality version

### Specification

| Electrical Data       |                                 |               |
|-----------------------|---------------------------------|---------------|
| Parameter             | Value                           |               |
|                       | Power                           | Signal        |
| Rated Voltage         | 0~120VAC/VDC                    | 0~120VAC/VDC  |
| Insulation Resistance | ≥100MΩ/150VDC                   | ≥100MΩ/150VDC |
| Lead Wires            | AWG#32 teflon                   | AWG#32 teflon |
| Lead Length           | Standard 300mm(adjustable)      |               |
| Electrical Noise      | <0.01Ω                          |               |
| Mechanical Data       |                                 |               |
| Parameter             | Value                           |               |
| Working Life          | See Product Quality Level Table |               |
| Rotating Speed        | See Product Quality Level Table |               |
| Working Temperature   | -30°C~80°C                      |               |
| Operating Humidity    | 0~85% RH                        |               |
| Contact Material      | See Product Quality Level Table |               |
| Housing Material      | See Product Quality Level Table |               |
| Torque                | 0.005N.m; +0.02N.m/6rings       |               |
| Protection Grade      | IP51                            |               |

**Part# List**

| MMC088 Series Parts# List |           |             |
|---------------------------|-----------|-------------|
| Part#                     | Signal/1A | Total Wires |
| MMC088-S02                | 2         | 2           |
| MMC088-S04                | 4         | 4           |

Note: N channels 1A rings parallel can be used as 1 channel N × 1A current. For example: 2 rings 1A parallel could be used as 1 wires 2A ,please contact sales for special requirements

**Product Quality Level Table**

| Part#   | Max Speed | Working Life | Housing Material | Electrical Noise@10RPM |
|---------|-----------|--------------|------------------|------------------------|
| MMC088  | 250RPM    | > 10 million | Plastics         | 10mΩ                   |
| MMC0889 | 1000RPM   | >20 million  | Plastics         | 4mΩ                    |

**Lead Wires Color Code**

| Ring  | 1   | 2   | 3   | 4   |
|-------|-----|-----|-----|-----|
| Color | BLK | RED | YEL | GRN |

**Options for custom slip ring**

- MMC0889 is the high-end version corresponding to MMC088.
- Optional flange mounting.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- High temperature is optional.
- Military Grade.