**ALCAP02 SERIES: HARD GOLD PLATED RINGS, GOLD ALLOY BRUSHES, MULTI-STRANDED ETFE LEAD WIRES**

### Description

The ALCAP02 Slip Ring is suitable for signal or low power applications. It features gold alloy wire brushes running on compatible hard gold plated rings. It is available with an IP54 or IP67 enclosure. The Capsule can be shaft mounted or, alternatively flange mounted leaving the 25.4mm H10 fit bore free for the passage of other media lines (fluid, gas or fiber optics).

### Electrical

- No. Rings: 6, 12, 18, 24, 30, 36 or 48 standard
- Current: 5, 10 & 15 Amps per ring standard
- Voltage: up to 440 Volts standard
- Insulation Resistance: >200MΩ at 1000 VDC
- Hipot: 1000 VAC for 15 seconds (all combinations)
- Electrical Noise: Less than 10 mΩ peak at 25 rpm

### Non-Standard Modifications

- Optional rotor or stator flanges
- Mount/drive arrangement to suit customer’s requirements
- Higher current & voltage capacity (internally modified)
- Can be supplied with Integrated Rotary Union, RF or Fiber Optics
- Lead type & lengths to suit customer’s requirements
- Alternative materials for harsh environments

### Mechanical

- Contacts: gold alloy brushes on hard gold plated rings
- Housing: Anodised Aluminium & Shaft: Aluminium with E-Nickel
- Leads: 5A #22 awg, 10A #16 awg or 15A #14 awg, 300mm
- Operating Speed: 500 rpm maximum – intermittent
- Life: 10 x 10⁶ revolutions minimum
- Temperature Range: -35°C to +135°C

*Please note that operating life of Capsule is dependant on rotational speed, environment & temperature*

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**ALCAP02 Slip Ring Capsule Range, available with 6-48 rings, 5-15A, IP54 or IP67 Options & modifications on request**

**ALCAP02 Slip Ring Capsule with 6 Rings, 15A per ring**

**ALCAP02 Slip Ring Capsule with 18 rings, 10A per ring**
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**Contact Information**
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- **Address**: Aerodyn Ltd, Unit 1, Anglers Business Centre, Nottingham Road, Derby, DE21 7NJ, United Kingdom

### IP54 PART # | IP67 SEALED PART # | NUMBER OF RINGS | RATING | LENGTH A | LENGTH B
--- | --- | --- | --- | --- | ---
10100-021012-000 | 11100-021012-000 | 12 | 5A | 54.4mm +/- 0.5mm | 47.5mm +/- 0.5mm
10100-021024-000 | 11100-021024-000 | 24 | 5A | 78.1mm +/- 0.5mm | 71.3mm +/- 0.5mm
10100-021036-000 | 11100-021036-000 | 36 | 5A | 101.9mm +/- 0.5mm | 95.0mm +/- 0.5mm
10100-021048-000 | 11100-021048-000 | 48 | 5A | 125.9mm +/- 0.5mm | 118.8mm +/- 0.5mm
10100-022006-000 | 11100-021006-000 | 6 | 10A | 54.4mm +/- 0.5mm | 47.5mm +/- 0.5mm
10100-022012-000 | 11100-021012-000 | 12 | 10A | 78.1mm +/- 0.5mm | 71.3mm +/- 0.5mm
10100-022018-000 | 11100-021018-000 | 18 | 10A | 101.9mm +/- 0.5mm | 95.0mm +/- 0.5mm
10100-022024-000 | 11100-021024-000 | 24 | 10A | 125.9mm +/- 0.5mm | 118.8mm +/- 0.5mm
10100-023006-000 | 11100-021006-000 | 6 | 15A | 61.0mm +/- 0.5mm | 54.2mm +/- 0.5mm
10100-023012-000 | 11100-021012-000 | 12 | 15A | 91.5mm +/- 0.5mm | 84.6mm +/- 0.5mm
10100-023018-000 | 11100-021018-000 | 18 | 15A | 122.0mm +/- 0.5mm | 115.1mm +/- 0.5mm
10100-023024-000 | 11100-021024-000 | 24 | 15A | 152.5mm +/- 0.5mm | 145.6mm +/- 0.5mm

**Dimensions**
- **Length A**: Various lengths as listed above
- **Length B**: Various lengths as listed above

**Additional Notes**
- **Material**: Hard gold plated rings, gold alloy brushes, multi-stranded ETFE lead wires
- **Contact Information** is provided on the page.