ALCAP01 SERIES: HARD GOLD PLATED RINGS, GOLD ALLOY BRUSHES, MULTI-STRANDED #22 AWG ETFE LEAD WIRES

**Description**
The ALCAP01 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 12.7mm H10 fit bore free for the passage of other media lines (fluid, gas or fiber optics).

**Electrical**
- No. of Rings: 6, 12, 18, 24, 30 or 36 as standard
- Current: 5 Amps per ring standard
- Voltage: up to 250 Volts standard
- Insulation Resistance: >200MΩ at 500 VDC
- Hipot: 500 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: #22 awg, ETFE insulated, 300mm long standard
- Operating Speed: 700 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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### IP54 PART #   |   IP67 SEALED PART #   |   NUMBER OF RINGS   |   LENGTH A   |   LENGTH B   |
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>10100-011006-000</td>
<td>11100-011006-000</td>
<td>6</td>
<td>39.5mm +/- 0.5mm</td>
<td>34.2mm +/- 0.5mm</td>
</tr>
<tr>
<td>10100-011012-000</td>
<td>11100-011012-000</td>
<td>12</td>
<td>53.5mm +/- 0.5mm</td>
<td>48.2mm +/- 0.5mm</td>
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<tr>
<td>10100-011018-000</td>
<td>11100-011018-000</td>
<td>18</td>
<td>67.0mm +/- 0.5mm</td>
<td>61.7mm +/- 0.5mm</td>
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<tr>
<td>10100-011024-000</td>
<td>11100-011024-000</td>
<td>24</td>
<td>80.5mm +/- 0.5mm</td>
<td>75.2mm +/- 0.5mm</td>
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<tr>
<td>10100-011030-000</td>
<td>11100-011030-000</td>
<td>30</td>
<td>94.5mm +/- 0.5mm</td>
<td>89.2mm +/- 0.5mm</td>
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<tr>
<td>10100-011036-000</td>
<td>11100-011036-000</td>
<td>36</td>
<td>94.5mm +/- 0.5mm</td>
<td>89.2mm +/- 0.5mm</td>
</tr>
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**Notes:**  
- **LENGTH A**: 5.3 (ROTOR)  
- **LENGTH B**: 5.3 (STATOR)  
- **HOLE BC**: 60°  
- **HOLE BC**: 45°  
- 2 x 4-40 UNC SET SCREWS FOR FIXING TO SHAFT.  
- **HOLE BC**: 60°  
- **HOLE BC**: 45°  

**Dimensions:**  
- **LENGTH A**: 3.3  
- **LENGTH B**: 5.3  
- **HOLE BC**: 12.7 H10 THRU  
- **HOLE BC**: 52.8  
- 4 x 4-40 UNC (SPACED AS SHOWN)