

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).

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

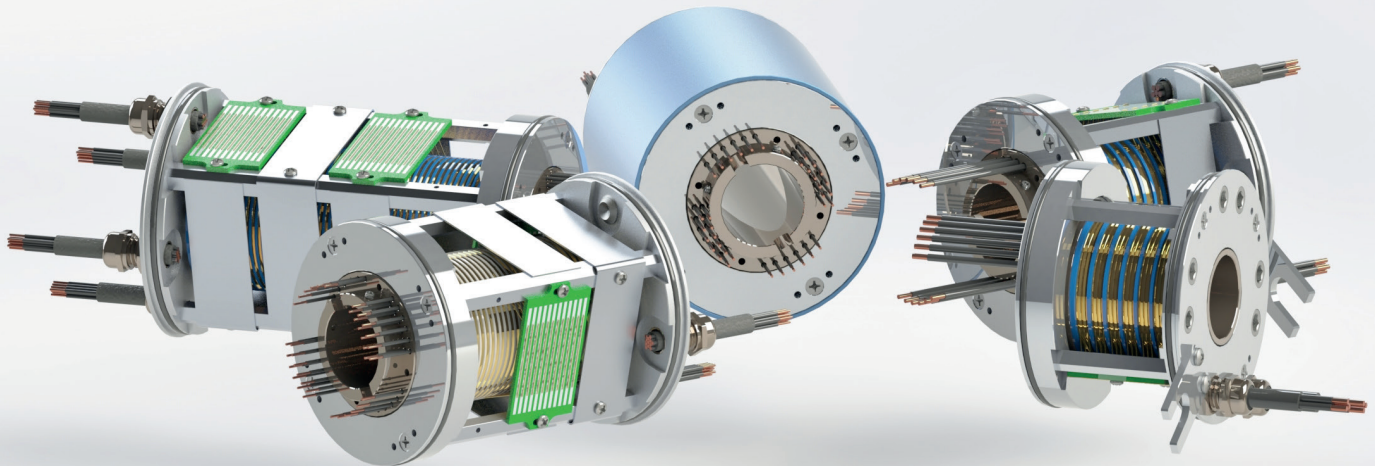
Electrical

- » 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

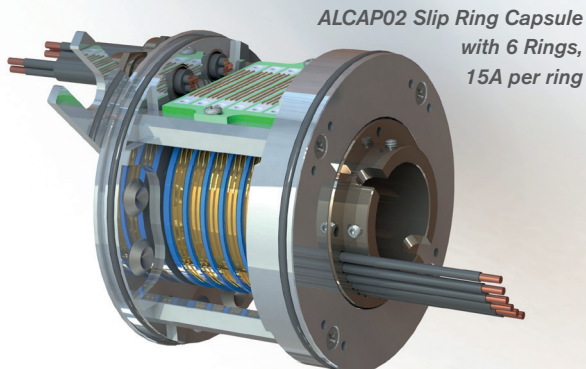
Mechanical

- » • 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

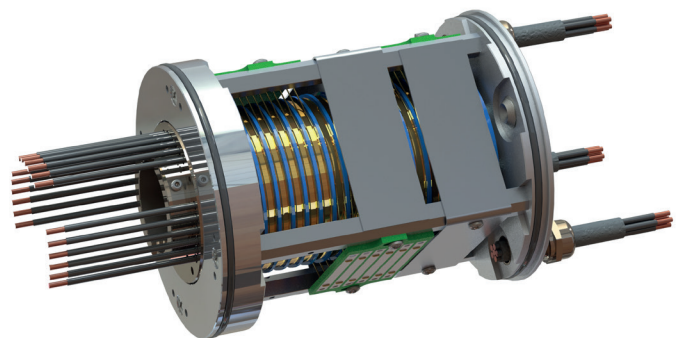
**Please note that operating life of Capsule is dependant on rotational speed, environment & temperature*



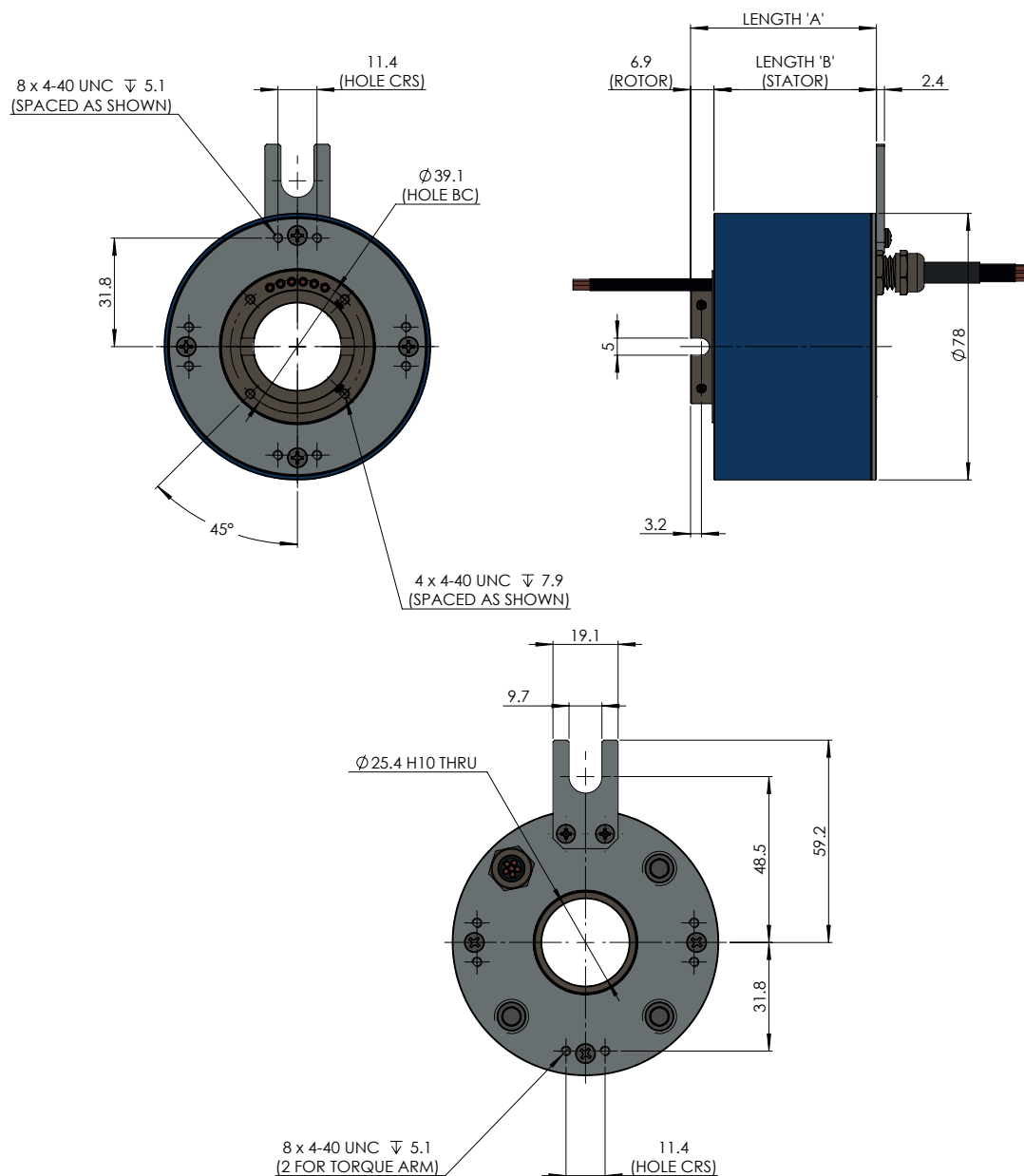
ALCAP02 Slip Ring Capsule Range, available with 6-48 rings, 5-15A, IP54 or IP67
Options & modifications on request



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



ALCAP02 Slip Ring Capsule with 18 rings, 10A per ring



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