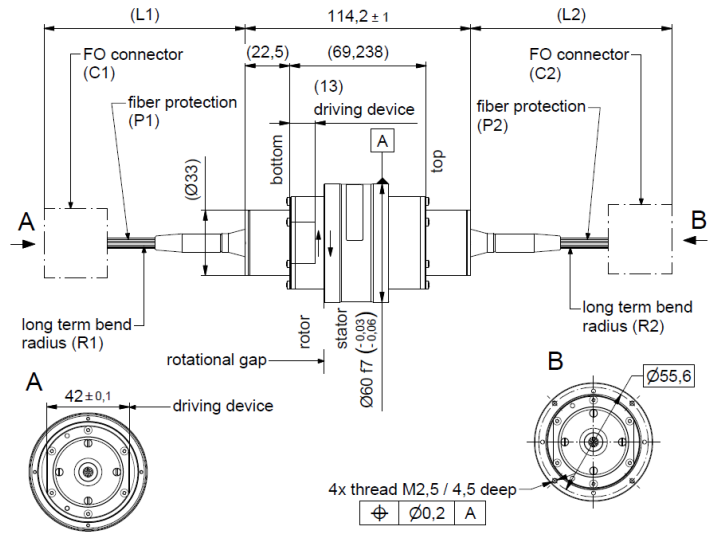
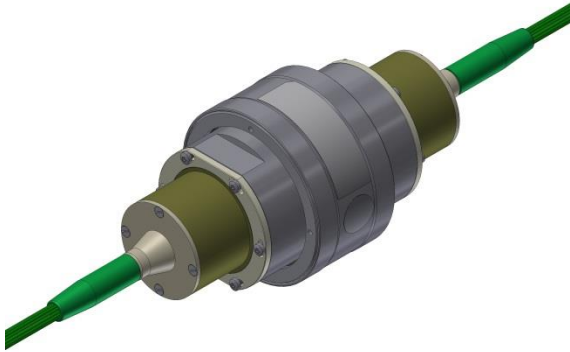


Rotary Joint || BN 549748C1001



all dimensions in millimeter

Fiber optic channel characteristics

Channels	10 CH	
Channel designation	1 to 10	
Fiber type	Multimode G50 / 125 μm	
Side	Rotor	Stator
FO connector (C1 / C2)	LC-PC	LC-PC
Fiber protection (P1 / P2)	900 μm buffer	900 μm buffer
Fiber length (L1 / L2)	6000 ±150 mm	3000 ±150 mm
Long term bend radius, min. (R1 / R2)	30 mm	30 mm
Wavelength	850 nm / 1300 nm	
Average power capability, max.	10 mW / 10 dBm	
Insertion loss, max.	3.5 dB	
Insertion loss variation over rotation, max.	1.5 dB	
Cross talk, min.	50 dB (between all channels)	

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**Mechanical characteristics**

Rotating speed, max. / nominal	150 rpm / 100 rpm
Life, min.	20 x 10 <sup>6</sup> revolutions <sup>FO1)</sup>
Torque (room temperature), max.	0.15 Nm @ rotation
Interface loads, max.	±0.4 Nm bending moment
Case material	stainless steel and copper alloy, corrosion resistant
Case surface finish	no finish
IP protection level	IP50 per EN 60529 (all interfaces connected with appropriate gaskets)
Weight, approx.	1.5 kg
Marking	adhesive label (SPINNER logo)

<sup>FO1)</sup> up to 200 x 10<sup>6</sup> revolutions with dedicated environmental conditions.

**Environmental conditions**

<b>Operation</b>	
Application	ground, fixed
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)
Shock	30 g / 11 ms half sine, 3 shocks in each direction of 3 orthogonal axes
Vibration	6 to 17 m/s <sup>2</sup> rms, 5.1 to 480 Hz, in three orthogonal axis
<b>Storage</b>	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

**Applicable documents**

Technical information	"Rotary Joints – Glossary", Technical Document TD-00021, Spinner GmbH
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