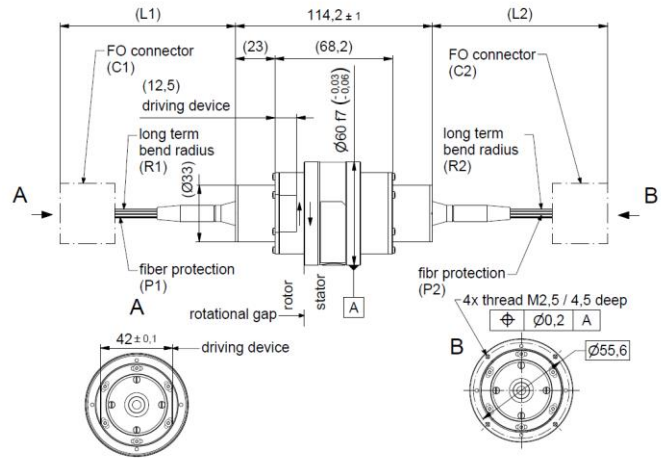
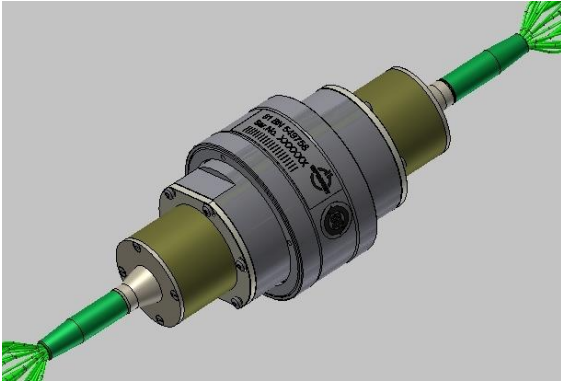


Rotary Joint || BN 549748C1203



all dimensions in millimeter

Fiber optic channel characteristics

Channels	12 CH	
Channel designation	1 to 12	
Fiber type	Multimode G50 / 125 µm	
Side	Rotor	Stator
FO connector (C1 / C2)	SC-PC	no connector *)
Fiber protection (P1 / P2)	900 µm buffer	900 µm buffer
Fiber length (L1 / L2)	1500 ±150 mm	4500 ±150 mm
Long term bend radius, min. (R1 / R2)	30 mm	30 mm
Wavelength	850 / 1300 nm	
Average power capability, max.	10 mW / 10 dBm	
Insertion loss, max.	5.5 dB	
Insertion loss variation over rotation, max.	1.5 dB	
Cross talk, min.	50 dB (between all channels)	

\*) measured with standard fiber optic connectors, these are removed before delivery

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**Mechanical characteristics**

Rotating speed, max. / nominal	150 rpm / 100 rpm
Life, min.	200 x 10 <sup>6</sup> revolutions
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)

**Environmental conditions**

<b>Operation</b>	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)
<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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