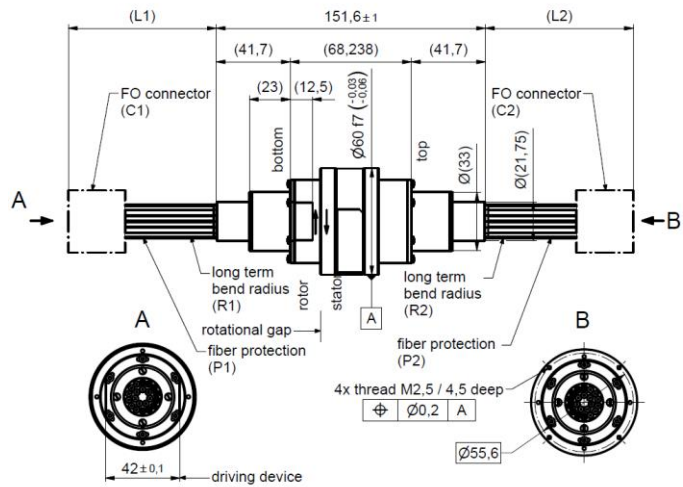
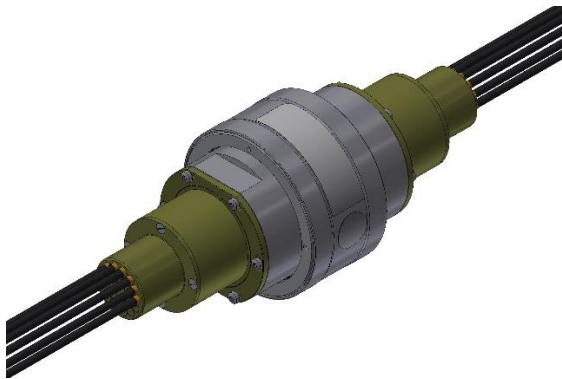


Rotary Joint || BN 549748C2001



all dimensions in millimeter

**Fiber optic channel characteristics**

Channels	20 CH	
Channel designation	1 to 6	
Fiber type	Singlemode E9 / 125 µm	
Side	Rotor	Stator
FO connector (C1 / C2)	LC-UPC	LC-UPC
Fiber protection (P1 / P2)	cable 2.7 mm	cable 2.7 mm
Fiber length (L1 / L2)	3000 ±150 mm	3000 ±150 mm
Long term bend radius, min. (R1 / R2)	60 mm	60 mm
Wavelength	1310 nm	
Average power capability, max.	200 mW / 23 dBm	
Return loss, min. / typ.	45 dB / 50 dB	
Insertion loss, max.	4.5 dB	
Insertion loss variation over rotation, max.	2.5 dB	
Cross talk, min.	50 dB (between all channels)	

Channel designation	7 to 20	
Fiber type	Multimode G50 / 125 µm	
Side	Rotor	Stator
FO connector (C1 / C2)	LC-PC	LC-PC
Fiber protection (P1 / P2)	cable 2.7 mm	cable 2.7 mm
Fiber length (L1 / L2)	3000 ±150 mm	3000 ±150 mm
Long term bend radius, min. (R1 / R2)	60 mm	60 mm
Wavelength	850 nm	
Average power capability, max.	10 mW / 10 dBm	
Insertion loss, max.	5 dB	
Insertion loss variation over rotation, max.	2.5 dB	
Cross talk, min.	50 dB (between all channels)	

Template TD-00002U

## Rotary Joint || BN 549748C2001

**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 +71 °C
Relative humidity, max.	95% (non-condensing)
<b>Storage</b>	
Ambient temperature range	-40 °C to +71 °C
Relative humidity, max.	95% (non-condensing)

**Applicable documents**

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