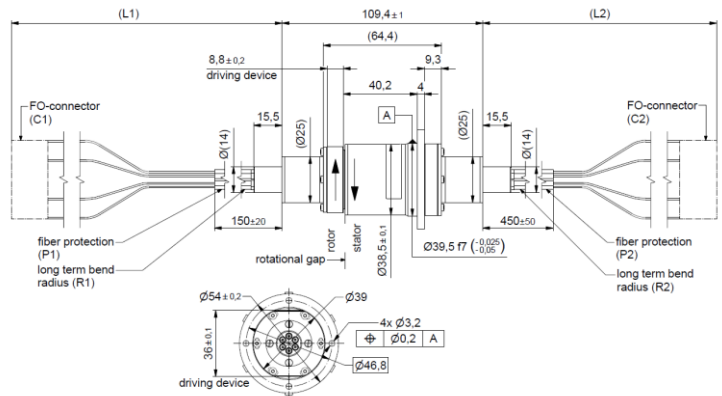


Rotary Joint || BN 549599C0604



all dimensions in millimeter

Fiber optic channel characteristics

Channels	6 CH	
Channel designation	1 to 6	
Fiber type	Singlemode E9 / 125 µm / 900 µm buffer	
Side	Rotor	Stator
FO connector (C1 / C2)	LC-APC	LC-APC
Fiber protection (P1 / P2)	protective tube 2.7 mm (acc. to drawing)	protective tube 2.7 mm (acc. to drawing)
Fiber length (L1 / L2)	1500 ±150 mm	1500 ±150 mm
Long term bend radius, min. (R1 / R2)	60 mm	60 mm
Wavelength	1310 nm / 1550 nm	
Average power capability, max.	200 mW / 23 dBm	
Return Loss, min.	50 dB	
Insertion loss, max.	3.5 dB	
Insertion loss variation over rotation, max. / typ.	1.5 dB	
Cross talk, min.	50 dB (between all channels)	

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Mechanical characteristics

Rotating speed, max. / nominal	300 rpm / 200 rpm
Life, min.	200 x 10 ⁶ revolutions
Torque (room temperature), design goal	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	IP54 per EN 60529 (all interfaces connected with appropriate gaskets)
Weight, approx.	0.9 kg
Marking	adhesive label (SPINNER logo)

Environmental conditions

Operation	
Ambient temperature range	-40 °C to +71 °C
Relative humidity, max.	99% (non-condensing)
Storage	
Ambient temperature range	-55 °C to +71 °C
Relative humidity, max.	99% (non-condensing)

Applicable documents

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