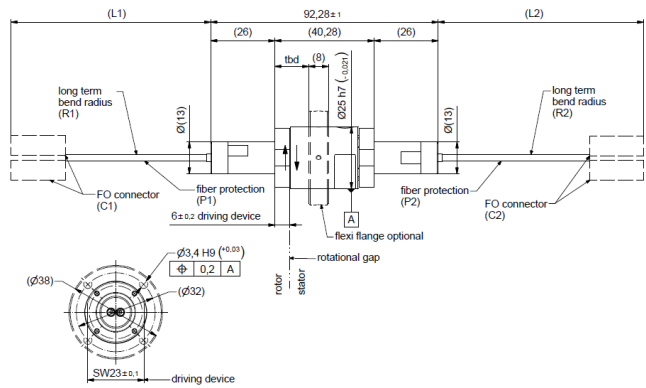


Rotary Joint || BN 549765C0205



Fiber optic channel characteristics

Channels	2 CH	
Channel designation	1 to 2	
Fiber type	Singlemode E9 / 125µm	
Side	Rotor	Stator
FO connector / material (C1 / C2)	LC-APC	LC-APC
Fiber protection (P1 / P2)	cable 3 mm	cable 3 mm
Fiber length (L1 / L2)	1500 ±100 mm	1500 ±100 mm
Long term bend radius, min. (R1 / R2)	30 mm	30 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.	1.5 dB	
Cross talk, min.	50 dB (between all channels)	

Rotary Joint || BN 549765C0205

Mechanical characteristics

Rotating speed, max.	300 rpm
Life, target	200 x 10 ⁶ revolutions
Torque (room temperature), max.	0.3 Nm @ rotation
Case material	stainless steel and aluminum, corrosion resistant
Case surface finish	no finish
IP protection level	IP65 per EN 60529 (all interfaces connected with appropriate gaskets)
Weight, approx.	0.15 kg
Marking	laser engraving (SPINNER logo)

Environmental conditions

Operation	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	99%
Storage	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	99%

Applicable documents

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