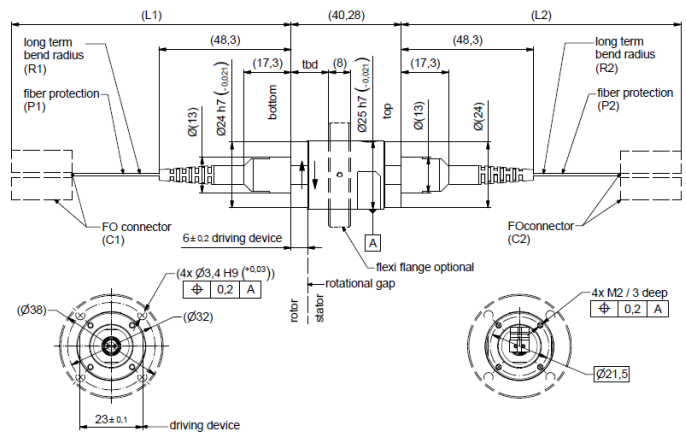


Rotary Joint || BN 549769C0202



Fiber optic channel characteristics

Channels	2 CH	
Channel designation	1 to 2	
Fiber type	Multimode G50 / 125 µm	
Side	Rotor	Stator
FO connector (C1 / C2)	FC-PC	FC-PC
Fiber protection (P1 / P2)	900 µm buffer	900 µm buffer
Fiber length (L1 / L2)	500 ±150 mm	750 ±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)	

Rotary Joint || BN 549769C0202

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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