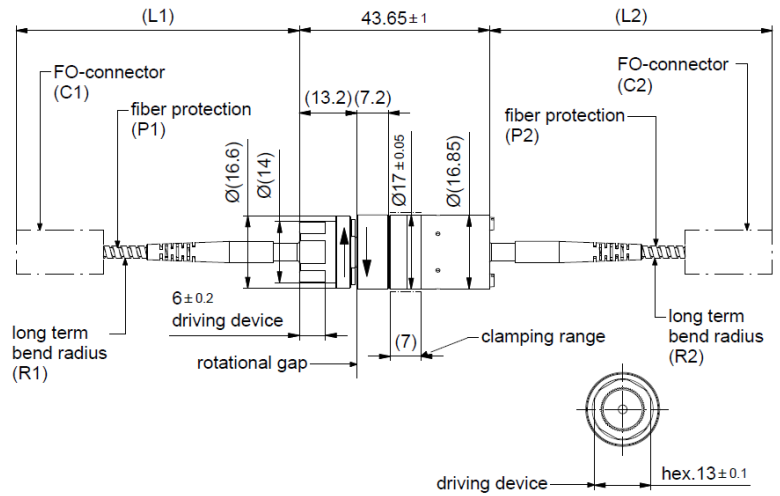


Rotary Joint || BN 549393C0100



all dimensions in millimeter

Fiber optic channel characteristics

Channels	1 CH	
Channel designation	1	
Fiber type	Singlemode E9 / 125 µm	
Side	Rotor	Stator
FO connector	FC-APC	FC-APC
Fiber protection	3 mm (flexibel, stainless steel)	3 mm (flexibel, stainless steel)
Fiber length (L1 / L2)	1500 ± 150 mm	1500 ± 150 mm
Long term bend radius, min. (R1 / R2)	30 mm	30 mm
Wavelength	1310 nm - 1550 nm (measured at 1310 nm)	
Average power capability, max.	200 mW / 23 dBm	
Return loss, typ. / min.	45 dB / 40 dB	
Insertion loss, typ. / max.	1.5 dB / 3.5 dB	
Insertion loss variation over rotation, typ. / max.	0.75 dB / 1.5 dB	

Rotary Joint || BN 549393C0100

Mechanical characteristics

Rotating speed, max.	60 rpm
Life, target	40 x 10 ⁶ revolutions *
Torque (room temperature), max.	1.0 Nm @ rotation
Case material	stainless steel, corrosion resistant
Case surface finish	no finish
IP protection level	IP68 per EN 60529 fluid filled and pressure compensated
Weight, approx.	0.3 kg
Marking	laser engraving (SPINNER logo)

Environmental conditions

Operation	
Pressure rating	pressure compensated up to 45 MPa (450 bar) *
Ambient temperature range	-10 °C to +75 °C *
Relative humidity, max.	99%
Storage	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	99%

* consult SPINNER for extended range

Applicable documents

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