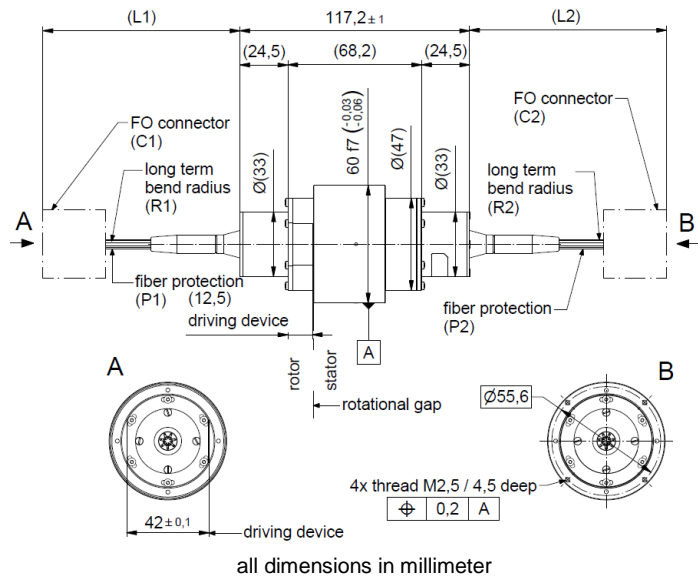


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Fiber optic channel characteristics

Channels	20 CH *)	
Channel designation	1 to 20	
Fiber type	Singlemode E9 / 125 µm	
Side	Rotor	Stator
FO connector (C1 / C2)	FC-APC	FC-APC
Fiber protection (P1 / P2)	900 µm buffer	900 µm buffer
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	
Average power capability, max.	200 mW / 23 dBm	
Return loss, min. / typ.	50 dB / 55 dB	
Insertion loss, max.	3.5 dB	
Insertion loss variation over rotation, max.	1.5 dB	
Cross talk, min.	50 dB (between all channels)	

\*) 1 additional channel (internal spare) without specified but measured optical values

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**Mechanical characteristics**

Rotating speed, max. / nominal	150 rpm / 100 rpm
Life, min.	200 x 10 <sup>6</sup> revolutions
Torque (room temperature), max.	1.2 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	IP65 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 +85 °C
Relative humidity, max.	95% (non-condensing)
<b>Storage</b>	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

**Applicable documents**

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