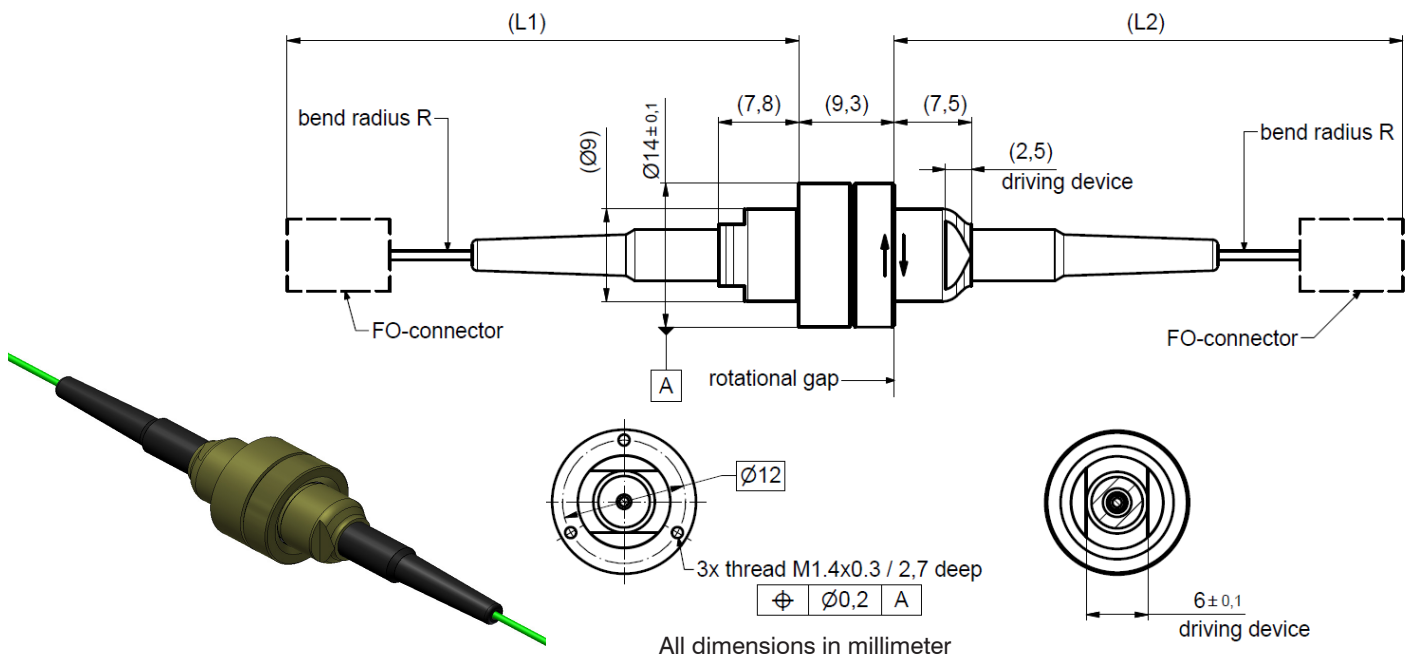


# Optilinc

## Multimode 1 Channel FC-PC Fibre Optic Rotary Joint (FORJ)



### Fibre optic channel characteristics

Channels	1 CH
Channel designation	1
FO connector / material	FC-PC / ceramic
Fibre type	Multimode G50 / 125 $\mu\text{m}$ / 900 $\mu\text{m}$ buffer
Fibre length (L1 / L2)	4500 $\pm 150$ mm / 4500 $\pm 150$ mm
Long term bend radius, min. (R)	30 mm
Wavelength	850 nm / 1300 nm
Average power capability, max.	10 mW / 10 dBm
Insertion loss, max.	2.5 dB / 1.5 dB
Insertion loss variation over rotation, max.	1.0 dB

**Multimode 1 Channel FC-PC  
Fibre Optic Rotary Joint (FORJ)**

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**Mechanical characteristics**

Rotating speed, max. / nominal	3000 rpm / 2000 rpm
Life, min.	200 x 10 <sup>6</sup> revolutions
Torque (room temperature), max.	0.06 Nm @ rotation
Interface loads, max.	no loads allowed
Case material	copper alloy, corrosion resistant
Case surface finish	no finish
IP protection level	IP54 per EN 60529 (all interfaces connected with appropriate gaskets)
Weight, approx.	0.02 kg
Marking	laser engraving

**Environmental conditions**

**Operation**

Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

**Storage**

Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)