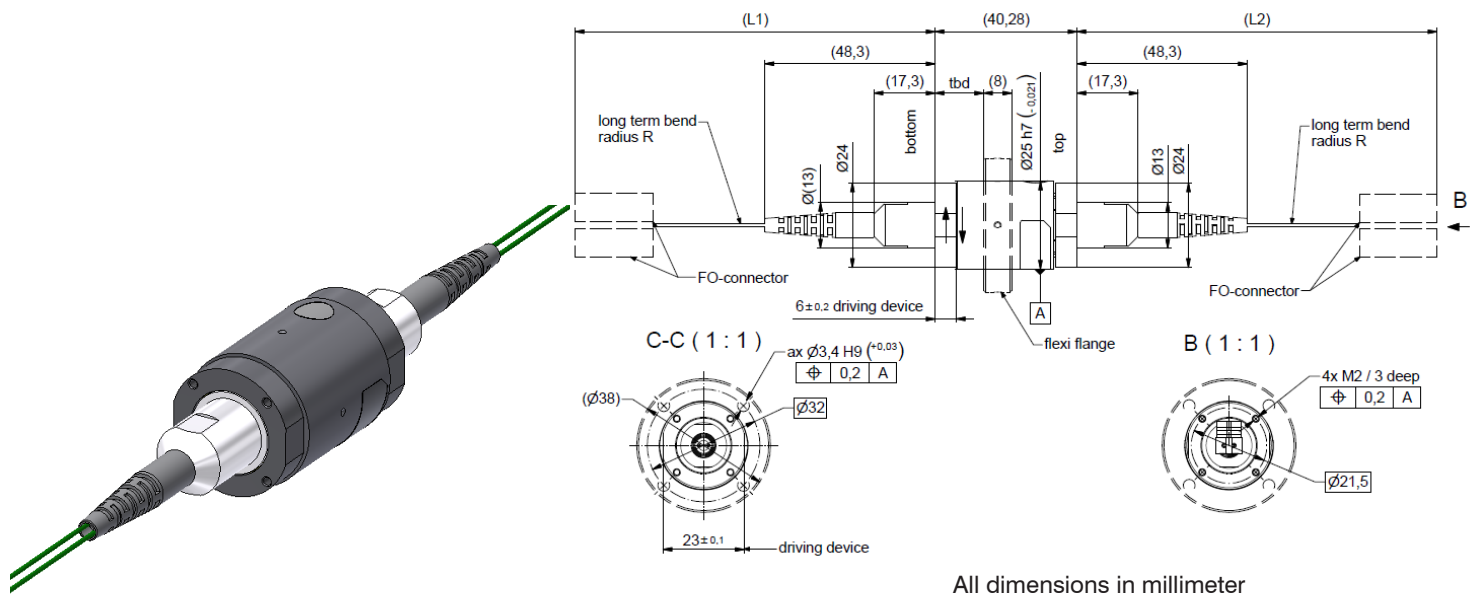


# Optilinc

## Multimode 2 Channel FC-PC / Ceramic Fibre Optic Rotary Joint (FORJ)



### Fibre optic channel characteristics

Channels	2 CH
Channel designation	1 to 2
FO connector / material	FC-PC / ceramic
Fibre type	Multimode G50 / 125 $\mu$ m / 900 $\mu$ m buffer
Fibre length (L1 / L2)	4500 $\pm$ 150 mm / 4500 $\pm$ 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)

## Multimode 2 Channel FC-PC / Ceramic Fibre Optic Rotary Joint (FORJ)

Continued...

### Mechanical characteristics

Rotating speed, max.	300 rpm
Life, target	200 x 10 <sup>6</sup> 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	adhesive label

### 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)