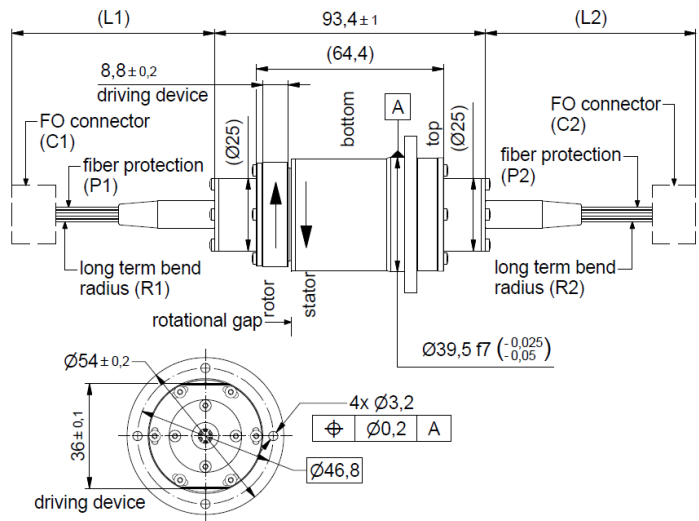


Rotary Joint || BN 549760C0400



all dimensions in millimeter

Fiber optic channel characteristics

| | | |
|--|------------------------------|---------------|
| Channels | 4 CH | |
| Channel designation | 1 to 4 | |
| Fiber type | Multimode G50/125 | |
| 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) | 4500 ±150 mm | 4500 ±150 mm |
| Long term bend radius, min. (R1 / R2) | 30 mm | 30 mm |
| Wavelength | 850/1300 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) | |

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Rotary Joint || BN 549760C0400

Mechanical characteristics

| | |
|---------------------------------|---|
| Rotating speed, max. / nominal | 150 rpm / 100 rpm |
| Life, min. | 200 x 10 ⁶ revolutions |
| Torque (room temperature), max. | 0.15 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 | IP50 per EN 60529 (all interfaces connected with appropriate gaskets) |
| Weight, approx. | 0.7 kg |
| Marking | adhesive label (SPINNER logo) |

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) |

Applicable documents

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

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