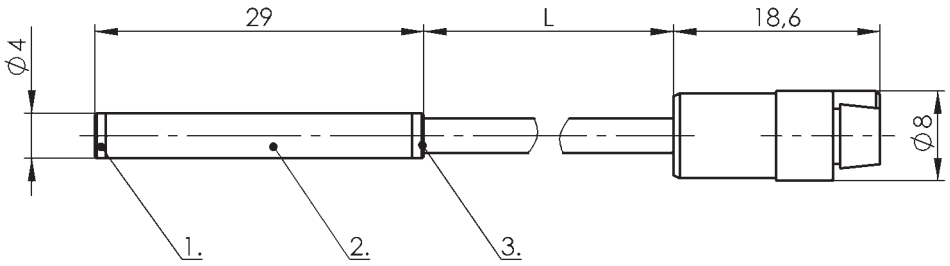
Capacitive Sensor

**BCS G04T4D-XXS10C-EP02-GZ01-002**
**BCS0010**

BALLUFF
sensors worldwide




1) Active surface 2) Housing 3) Top cover

- **Special interface**
- **see signal amplifier (BAE)**
- **1.00 mm**
- **Flush (shielded)**
- **Cable with connector, PUR, 2.00 m**
  **Special connector**
- **to be adjusted at base unit**

IND. CONT. EQ. 81U2
for use in the secondary of
a class 2 source of supply

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**General attributes**

| | |
|---|---|
| Approvals / Conformity | CE<br>cULus |
| Basic standard | IEC 60947-5-2 |
| Enclosure Type per IEC 60529 | IP67 |
| Polarity reversal protected | Not relevant |
| Short circuit protected | Not relevant |

**Electrical attributes**

| | |
|---|---|
| Connection type | Cable with connector |
| Electrical version | DC, direct current |
| Operating voltage UB max. DC [V] | 8.0 V |
| Operating voltage UB min. DC [V] | 4.0 V |
| Rated insulation voltage Ui | 75 V DC |
| Ripple max. (% of Ue) | 10 % |
| Sensitivity | to be adjusted at base unit |
| Switching freq. f max. (at Ue) | 100 Hz |
| Switching function | see signal amplifier (BAE) |
| Switching output | Special interface |

**Mechanical attributes**

| | |
|---|---|
| Ambient temperature Ta max. | 80 °C |
| Ambient temperature Ta min. | -30 °C |
| Cable jacket material | PUR |
| Cable length L [m] | 2.00 m |
| Connector type | Special connector |
| Cover material | POM |
| Diameter d1 | D4.0 |
| Housing material | 1.4301 |
| Mech. installation condition | Flush (shielded) |
| Mounting length | 27.0 mm |
| Rated operating distance Sn [mm] | 1.00 mm |
| Sensing face material | PTFE |
| Working range Sa max. [mm] | 1.00 mm |
| Working range Sa min. [mm] | 0.10 mm |

**Additional text**
Required accessory, signal amplifier BAE SA-...