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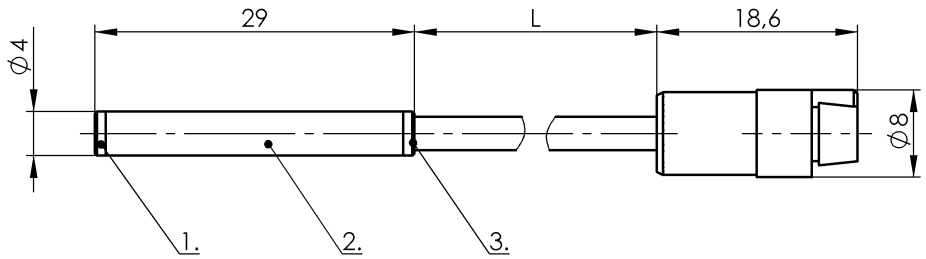
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Find the *Balluff BCS0010* at our website: *Click HERE*

Capacitive Sensors

# BCS G04T4D-XXS10C-EP02-GZ01-002
# Order Code: BCS0010




1) Sensing surface, 2) Housing, 3) Cover

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

## Electrical connection

| | |
|---|---|
| **Cable length L** | 2 m |
| **Connection** | Special connector --Special connector |
| **Polarity reversal protected** | not relevant |
| **Short-circuit protection** | not relevant |

## Electrical data

| | |
|---|---|
| **Operating voltage Ub** | 4...8 VDC |
| **Rated insulation voltage Ui** | 75 V DC |
| **Ripple max. (% of Ue)** | 10 % |
| **Switching frequency** | 100 Hz |
| **Utilization category** | DC -13 |

## Environmental conditions

| | |
|---|---|
| **Ambient temperature** | -30...80 °C |
| **IP rating** | IP67 |

## Functional safety

| | |
|---|---|
| **MTTF (40 °C)** | 1813 a |

## General data

| | |
|---|---|
| **Approval/Conformity** | CE<br>cULus<br>WEEE |
| **Basic standard** | IEC 60947-5-2 |
| **Scope of delivery** | Nut (2x) |
| **Sensitivity** | adjustable on base unit |
| **Series** | G04 |

## Material

| | |
|---|---|
| **Cover material** | POM |
| **Housing material** | Stainless steel (1.4301) |
| **Material jacket** | PUR |
| **Material sensing surface** | PTFE |

## Mechanical data

| | |
|---|---|
| **Dimension** | Ø 4 x 29 mm |
| **Installation** | for flush mounting |
| **Size** | D4.0 |

## Output/Interface

| | |
|---|---|
| **Interface** | Special interface |

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## Range/Distance

| | |
|---|---|
| **Hysteresis H max. (% of Sr)** | 20.0 % |
| **Measuring range** | 0.1...1 mm |
| **Rated operating distance Sn** | 1 mm |
| **Repeat accuracy max. (% of Sr)** | 2 % |
| **Temperature drift max. (% of Sr)** | 20 % |

## Remarks

Required accessories, sensor amplifier BAE SA-...

For further information about the MTTF and B10d see MTTF / B10d certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

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