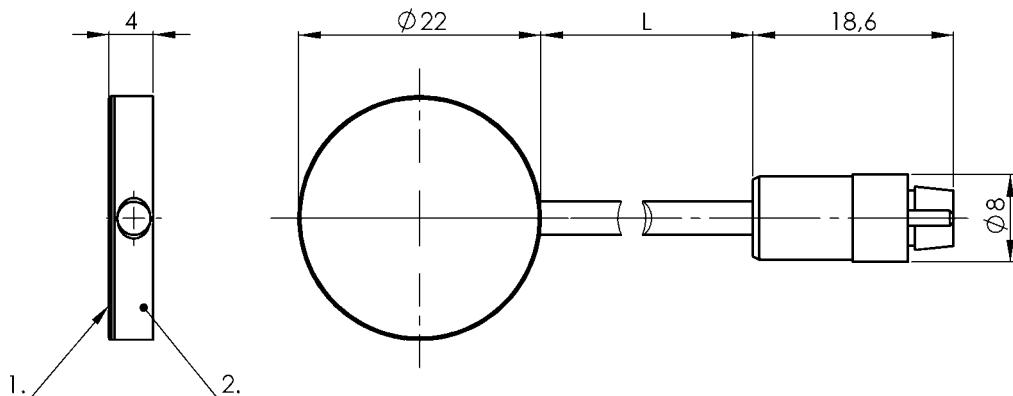


Capacitive Sensors

BCS D22T405-XXS10C-EP02-GZ01-002

Order Code: BCS001F

**BALLUFF**

1) Sensing surface, 2) Housing

**Basic features****Approval/Conformity**

CE

UKCA

cULus

WEEE

**Basic standard**

IEC 60947-5-2

**Scope of delivery**

Nut (2x)

**Sensitivity**

adjustable on base unit

**Series**

D22

**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**

IP66

**Functional safety****MTTF (40 °C)**

1813 a

**Interface****Interface**

Special interface

**Material****Cover material**

POM

**Housing material**

1.4301 stainless steel

**Material jacket**

PUR

**Material sensing surface**

PTFE

**Mechanical data****Dimension**

Ø 22 x 4 mm

**Installation**

for flush mounting

**Size**

D22.0

**Range/Distance****Hysteresis H max. (% of Sr)**

15.0 %

**Measuring range**

1...10 mm

**Rated operating distance Sn**

10 mm

**Repeat accuracy max. (% of Sr)**

2 %

**Temperature drift max. (% of Sr)**

20 %

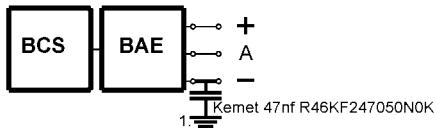
## Remarks

Required accessories, sensor amplifier BAE SA-...

For more information about 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.

### Installation remarks



1) Machine GND