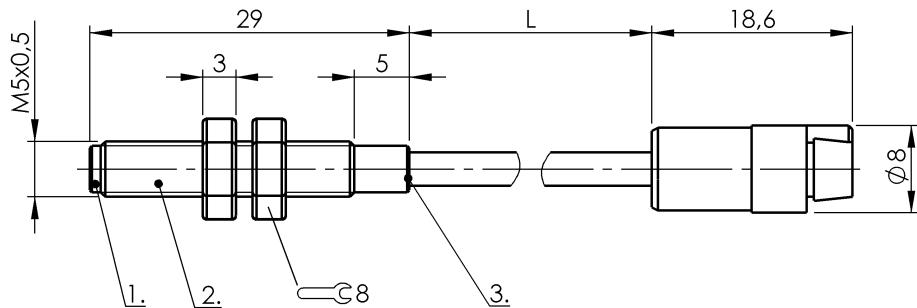


Capacitive Sensors

BCS M05T4C-XXS10C-EP02-GZ01-002

Order Code: BCS0011

**BALLUFF**

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

**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	M05

**Electrical connection**

Cable length L	2 m
Connection	Snap-In IP40, Binder 719-Female
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	-10...70 °C
Contamination scale	1
IP rating	IP67

**Functional safety**

MTTF (40 °C)	1813 a
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**Interface**

Interface	Special interface
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**Material**

Cover material	POM
Housing material	1.4301 stainless steel
Material jacket	PUR
Material sensing surface	PTFE

**Mechanical data**

Dimension	Ø 5 x 29 mm
Installation	for flush mounting
Size	M5x0.5
Thread (A)	M5x0.5
Tightening torque	2 Nm

**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-...

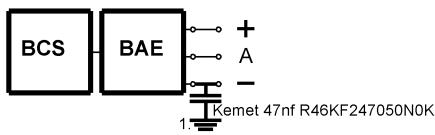
For more information about MTTF and B10d see MTTF / B10d Certificate

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.

## Connector Drawings



## Installation remarks



1) Machine GND