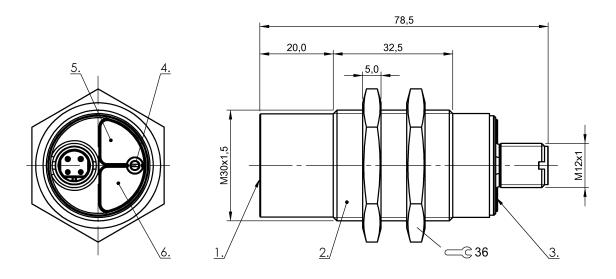
# BCS M30BBE2-PSC25H-S04K

**Order Code: BCS00NH** 





1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED Power, 6) LED function indicator













### **Basic features**

CE
UKCA
cULus
EAC
WEEE
IEC 60947-5-2
Nut (2x)
Switching distance adjustable
M30
Global
yes
yes

### **Electrical connection**

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

### **Electrical data**

No-load current lo max., undamped	13 mA
Operating voltage Ub	1030 VDC
Protection class	II
Rated insulation voltage Ui	75 V DC
Rated operating current le	100 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	300 ms
Ripple max. (% of Ue)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

### **Environmental conditions**

Ambient temperature IP rating	-2585 °C IP67
Functional safety	
MTTF (40 °C)	226 a
Interface	
Switching output	PNP normally open (NO)

### Material

Cover material	PBT
	PA
Housing material	PBT
Material sensing surface	PBT

### **Capacitive Sensors**

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### Mechanical data

DimensionØ 30 x 78.5 mmInstallationnon-flushSizeM30x1.5Thread (A)M30x1.5Tightening torque6 Nm

### Range/Distance

Hysteresis H max. (% of Sr)

Measuring range

Rated operating distance Sn

Repeat accuracy max. (% of Sr)

Temperature drift max. (% of Sr)

15.0 %

25 mm

2.0 %

20 % [-5...55 °C]

### Remarks

The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.

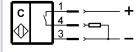
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output. For more information about MTTF and B10d see MTTF / B10d Certificate

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**



# **Wiring Diagrams**



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