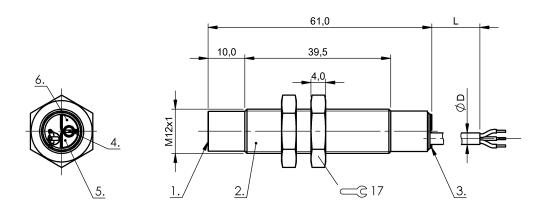
# BCS M12BBG1-NOC80H-EP02

Order Code: BCS00R3





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











Approval/Conformity	CE
	cULus
	EAC
	WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable
Series	M12
Trademark	Global

# Display/Operation

Function indicator	yes
Power indicator	yes

# **Electrical connection**

Cable diameter D	3.50 mm
Cable length L	2 m
Conductor cross-section	0.14 mm
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	ves

### **Electrical data**

No-load current lo max. at Ue	15 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.	100 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	-2585 °C
Contamination scale	2
IP rating	IP67
Storage temperature	-2585 °C

# **Functional safety**

### Interface

Subject to change without notice: 186921

Switching output NPN normally closed (NC)

# **Capacitive Sensors**

# BCS M12BBG1-NOC80H-EP02 **Order Code: BCS00R3**



### Material

Cover material PA Housing material PBT Material jacket PUR Material sensing surface PBT

# Mechanical data

Dimension Ø 12 x 61 mm Installation non-flush Size M12x1 Thread (A) M12x1 **Tightening torque** 1 Nm

# Range/Distance

Hysteresis H max. (% of Sr) 15.0 % 1...8 mm Measuring range Rated operating distance Sn 8 mm Repeat accuracy max. (% of Sr) 2.0 % Temperature drift max. (% of Sr) 20 % [-5...55 °C]

### Remarks

Full accuracy after warmup phase

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.

# **Wiring Diagrams**

Subject to change without notice: 186921