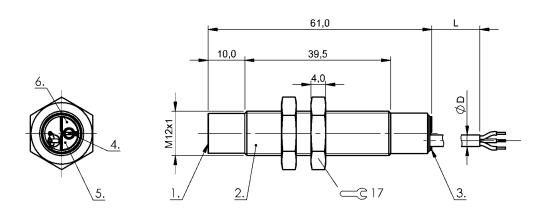
# BCS M12BBG1-NSC80H-EP02

Order Code: BCS00R2

# BVLLUFF



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











Basic features	
Approval/Conformity	CE UKCA cULus 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 <sup>2</sup>
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

	احماستمما	4-4-
ㅁ	ectrical	aata

No-load current lo max. at Ue	20 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

Switching output

Contamination scale	2	
IP rating	IP67	
Functional safety		
MTTF (40 °C)	226 a	
Interface		

-25...85 °C

NPN normally open (NO)

Capacitive Sensors

## BCS M12BBG1-NSC80H-EP02 Order Code: BCS00R2



#### Material

Cover material PA PBT Housing material PUR Material jacket 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 % Measuring range 1...8 mm 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.

Subject to change without notice: 186920

### Wiring Diagrams

