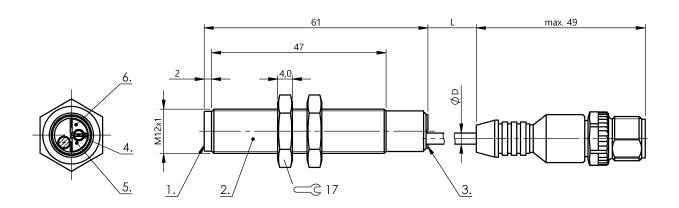
# BCS M12BBI1-PSC40D-EP00,35-S04G

Order Code: BCS00TL





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	3.10 mm
Cable length L	0.35 m
Connection	M12x1-Male, 3-pin, A-coded
Number of pins	3
Polarity reversal protected	yes
Protection against device mix-ups	yes

lo-load current Io 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
Voltage drop static max.	1.5 V
•	1.5 V
Environmental conditions	1.5 V -2585 °C
Environmental conditions  Ambient temperature	
Environmental conditions  Ambient temperature  Contamination scale	-2585 °C
Environmental conditions  Ambient temperature  Contamination scale	-2585 °C
Environmental conditions  Ambient temperature  Contamination scale  IP rating	-2585 °C
Voltage drop static max.  Environmental conditions  Ambient temperature  Contamination scale  IP rating  Functional safety  MTTF (40 °C)	-2585 °C
Environmental conditions  Ambient temperature  Contamination scale  IP rating  Functional safety	-2585 °C 1 IP67

Short-circuit protection

## BCS M12BBI1-PSC40D-EP00,35-S04G Order Code: BCS00TL



#### Material

Cover materialPAHousing materialPBTMaterial jacketPURMaterial sensing surfacePBT

#### Mechanical data

DimensionØ  $12 \times 61 \text{ mm}$ Installationfor flush mountingSizeM12x1

 Size
 M12x1

 Thread (A)
 M12x1

 Tightening torque
 1 Nm

### Range/Distance

#### 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 (Schematic)

