

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



**Basic features**

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Screwdriver Short guide
Sensitivity	media-dependent, adjustable
Series	S03

**Display/Operation**

Function indicator	yes
Power indicator	no

**Electrical connection**

Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

**Electrical data**

Load capacitance max. at Ue	10 µF
No-load current I <sub>o</sub> max. at Ue	15 mA
Operating voltage U <sub>b</sub>	10...35 VDC
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub>	100 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Ready delay t <sub>v</sub> max.	300 ms
Residual current I <sub>r</sub> max.	200 µA
Ripple max. (% of U <sub>e</sub> )	10 %
Switching frequency	5 Hz
Utilization category	DC -13
Voltage drop static max.	2.7 V

**Environmental conditions**

Ambient temperature	-30...125 °C
Contamination scale	2
IP rating	IP67, sensing surface: IP68 10 bar

**Functional safety**

MTTF (40 °C)	873 a
--------------	-------

**Interface**

Switching output	PNP normally open (NO)
------------------	------------------------

## Material

Cover material	Aluminium, Die casting
Housing material	1.4305 stainless steel, Connection thread
Material sensing surface	PTFE

## Mechanical data

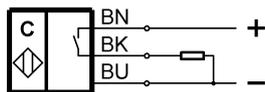
Dimension	54.8 x 48.5 x 106 mm
Installation	non-flush
Pressure rating max.	10 bar
Thread (A)	3/8" NPTF
Tightening torque	1.5 Nm

## 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.

## Wiring Diagrams (Schematic)



## Installation remarks

