

1) Sensing surface, 2) Housing, 3) Potentiometer, 4) LED function indicator



#### Basic features

Approval/Conformity	CE cULus WEEE UKCA
Basic standard	IEC 60947-5-2
Scope of delivery	Screwdriver Short guide
Sensitivity	Switching distance adjustable
Series	G06

#### Display/Operation

Function indicator	yes
--------------------	-----

#### Electrical connection

Connection	M8x1-Male, 3-pin
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

#### Electrical data

No-load current $I_0$ max. at $U_e$	10 mA
Operating voltage $U_b$	11...30 VDC
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$	50 mA
Rated operating voltage $U_e$ DC	24 V
Ready delay $t_V$ max.	100 ms
Ripple max. (% of $U_e$ )	10 %
Switching frequency	100 Hz
Utilization category	DC-13
Voltage drop static max.	2 V

#### Environmental conditions

Ambient temperature	-10...70 °C
Contamination scale	2
IP rating	IP65

#### Functional safety

MTTF (40 °C)	444 a
--------------	-------

#### Interface

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

#### Material

Housing material	1.4301 stainless steel
Material sensing surface	PTFE

#### Mechanical data

Dimension	Ø 6.5 x 54 mm
Installation	non-flush
Size	D6.5

#### Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	0.1...3 mm
Rated operating distance Sn	3 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	15 %

#### Remarks

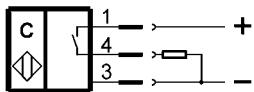
The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.  
If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output.  
For more information about MTTF and B10d see 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.

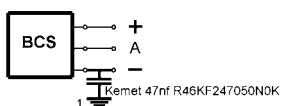
#### Connector Drawings



#### Wiring Diagrams



#### Installation remarks



1) Machine GND