

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



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Series	D30

Display/Operation

Function indicator	no
Power indicator	no

Electrical connection

Cable length L	1.5 m
Connection	M8x1-Male, 3-pin
Number of pins	3
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Operating voltage U_b	18...35 VDC
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	300 mA
Switching frequency	100 Hz
Utilization category	DC-13
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature	5...55 °C
IP rating	IP64

Interface

Switching output	NPN normally closed (NC)
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Material

Housing material	1.4305 stainless steel
Material jacket	PUR
Material sensing surface	POM

Mechanical data

Dimension	Ø 30 x 10 mm
Installation	for flush mounting
Size	D30.0

Range/Distance

Hysteresis H max. (% of Sr)	10.0 %
Real switching distance s_r	15 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	20 % [-5...55 °C]

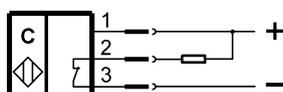
Remarks

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.

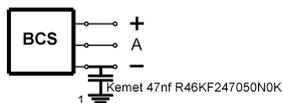
Connector Drawings



Wiring Diagrams (Schematic)



Installation remarks



1) Machine GND