



1) Sensing surface 2) Housing 3) Cover 4) Potentiometer 5) NO or NC selectable 6) LED function indicator



Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Cable length	2 m
Conductor cross-section	0.34 mm ²
Connection type	Cable, 2.00 m, PUR
Number of conductors	3
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage U_b	10...35 VDC
Polarity reversal protected	yes
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	300 mA
Repeat accuracy max. (% of S_r)	5.0 %
Residual ripple max. (% of U_e)	10 %
Switching frequency	100 Hz
Utilization category	DC-13
Voltage drop static max.	1.8 V

Environmental conditions

Ambient temperature	-30...70 °C
IP rating per IEC 60529	IP66 IP64 at cable exit

Functional safety

MTTF (40 °C)	455 a
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General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)

Material

Cover material	PBT PE
Housing material	PBT
Material jacket	PUR
Material sensing surface	PBT

Mechanical data

Installation	non-flush
Size	M30x1.5
Tightening torque	4 Nm

Output/Interface

Switching output	PNP Normally open/Normally closed (NO/NC) programmable
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Range/Distance

Hysteresis H max. (% of S_r)	15.0 %
Measuring range	1...30 mm
Rated operating distance S_n	30 mm
Temperature drift max. (% of S_r)	15 %

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Wiring Diagram

