



1) Sensing surface 2) Housing 3) Cover 4) Potentiometer 5) LED Power 6) LED function indicator



Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

Cable diameter D	3.50 mm
Cable length	2 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 2.00 m, PUR
Number of conductors	3
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

Hysteresis H max. (% of Sr)	15.0 %
MTTF (40 °C)	226 a
No-load current I _o undamped max.	13 mA
Operating voltage U _b	10...30 VDC
Polarity reversal protected	yes
Protection class	II
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	100 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	100 ms
Repeat accuracy max. (% of Sr)	2.0 %
Ripple max. (% of U _e)	10 %
Switching frequency	100 Hz
Utilization category	DC-13
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature	-25...85 °C
Protection type IEC 60529	IP67
Storage temperature	-25...85 °C

Functional safety

Diagnostic coverage	0 %
Functional safety	no

General data

Approval/Conformity	cULus CE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	Switching distance adjustable
Trademark	Global

Material

Cover material	PA
Housing material	PBT
Material cover	PA
Material jacket	PUR
Material sensing surface	PBT

Mechanical data

Dimension	Ø 12 x 61 mm
Installation	non-flush
Size	M12x1
Tightening torque	1 Nm

Temperature drift max. (% of Sr) 20 % [-5...55 °C]

Output/Interface

Switching output PNP Normally open (NO)

Range/Distance

Measuring range 1...8 mm
 Range 1...8 mm
 Rated operating distance S_n 8 mm

Remarks

Full accuracy after warmup phase

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

