



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



### Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x) Short guide Screwdriver
Sensitivity	Switching distance adjustable
Series	M30

### Display/Operation

Function indicator	yes
Power indicator	yes

### Electrical connection

Cable length L	2 m
Conductor cross-section	0.34 mm <sup>2</sup>
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

### Electrical data

No-load current $I_0$ max. at $U_e$	18 mA
Operating voltage $U_b$	10...35 VDC
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$	300 mA
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
Contamination scale	1
Protection degree	IP66 IP64 at cable exit

### Functional safety

MTTF (40 °C)	455 a
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### Material

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

### Mechanical data

Dimension	Ø 30 x 82 mm
Installation	for flush mounting
Size	M30x1.5
Thread (A)	M30x1.5
Tightening torque	4 Nm

### Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...20 mm
Rated operating distance S <sub>n</sub>	20 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	20 %

### Output/Interface

Switching output PNP NO/NC programmable

### Wiring Diagrams

