



1) Sensing surface, 2) Potentiometer, 3) LED function indicator, 4) NO or NC selectable, 5) PNP or NPN selectable



### Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Screwdriver Short guide
Sensitivity	Switching distance adjustable
Series	D50

### Display/Operation

Function indicator	yes
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### Electrical connection

Cable length L	2 m
Conductor cross-section	0.25 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 $U_e$	15 mA
Operating voltage $U_b$	10...30 VDC
Rated insulation voltage $U_i$	75 V DC
Rated operating current $I_e$	150 mA
Rated operating voltage $U_e$ DC	24 V
Ripple max. (% of $U_e$ )	10 %
Switching frequency	50 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

### Environmental conditions

Ambient temperature	-30...60 °C
Contamination scale	1
Protection degree	IP67

### Functional safety

MTTF (40 °C)	230 a
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### Material

Cover material	POM
Housing material	POM
Material jacket	PVC
Material sensing surface	POM

### Mechanical data

Dimension	Ø 50 x 10 mm
Installation	for flush mounting
Size	D50.0

### Output/Interface

Switching output	PNP/NPN NO/NC programmable
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### Range/Distance

Measuring range	2...25 mm
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### Wiring Diagrams

