

1) Sensing surface, 2) Housing, 3) Potentiometer, 4) LED function indicator



Basic features

Approval/Conformity	CE cULus EAC WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Screwdriver Nut (2x) Short guide
Sensitivity	Switching distance adjustable
Series	M08

Display/Operation

Function indicator	yes
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Electrical connection

Connection	M8x1-Male, 3-pin
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	10 mA
Operating voltage U_b	11...30 VDC
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	50 mA
Rated operating voltage U_e DC	24 V
Ripple max. (% of U_e)	10 %
Switching frequency	100 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-10...70 °C
Contamination scale	1
IP rating	IP65

Functional safety

MTTF (40 °C)	444 a
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Interface

Switching output	PNP normally open (NO)
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Material

Housing material	Stainless steel (1.4301)
Material sensing surface	PTFE

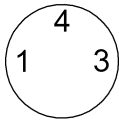
Mechanical data

Dimension	Ø 8 x 54 mm
Installation	for flush mounting
Size	M8x1
Thread (A)	M8x1
Tightening torque	6 Nm

Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	0.1...1.5 mm
Rated operating distance S_n	1.5 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	15 %

Connector Drawings



Wiring Diagrams

