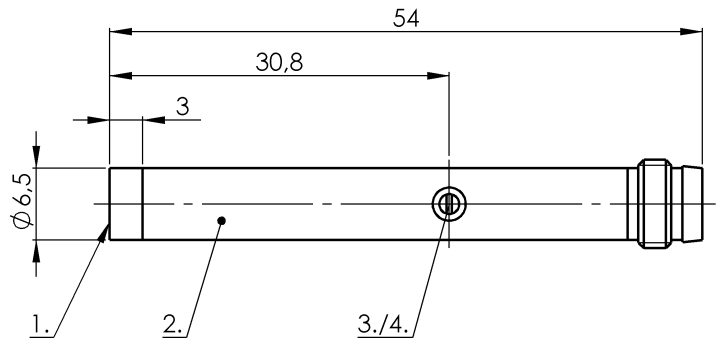




1) Sensing surface, 2) Housing, 3) Potentiometer, 4) LED function indicator



Basic features

Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Sensitivity	Switching distance adjustable
Series	G06

Electrical connection

Connection	M8x1-Male, 3-pin
Number of pins	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Operating voltage U_b	11...30 VDC
Rated insulation voltage U_i	75 V DC
Rated operating current I_e	50 mA
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
IP rating	IP65

Functional safety

MTTF (40 °C)	444 a
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Interface

Switching output	NPN normally closed (NC)
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Material

Cover material	PA
Housing material	1.4301 stainless steel
Material sensing surface	PTFE

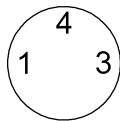
Mechanical data

Dimension	Ø 6.5 x 54 mm
Installation	non-flush
Size	D6.5

Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	0.1...3 mm
Range Sn 01	3 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	15 %

Connector Drawings



Wiring Diagrams (Schematic)

