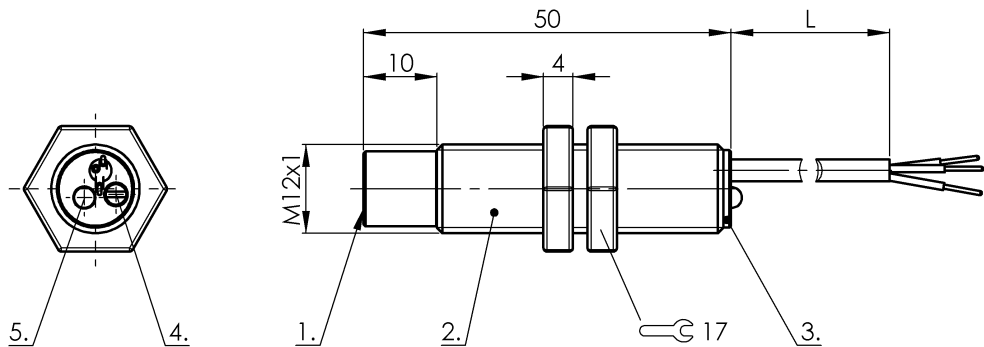




1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED function indicator



Basic features

Approval/Conformity	CE cULus EAC WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x) Screwdriver Short guide
Sensitivity	Switching distance adjustable
Series	M12

Display/Operation

Function indicator	yes
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Electrical connection

Cable length L	2 m
Conductor cross-section	0.14 mm ²
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

No-load current I _o max. at U _e	15 mA
Operating voltage U _b	12...35 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	200 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.	0.8 V

Environmental conditions

Ambient temperature	-30...70 °C
Contamination scale	2
IP rating	IP65

Functional safety

MTTF (40 °C)	450 a
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Interface

Switching output	PNP normally open (NO)
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Material

Cover material	POM
Housing material	1.4301 stainless steel
Material jacket	PUR
Material sensing surface	PTFE

Mechanical data

Dimension	Ø 12 x 50 mm
Installation	non-flush
Size	M12x1
Thread (A)	M12x1
Tightening torque	8 Nm

Range/Distance

Hysteresis H max. (% of Sr)	15.0 %
Measuring range	1...8 mm
Range Sn 01	8 mm
Repeat accuracy max. (% of Sr)	2.0 %
Temperature drift max. (% of Sr)	15 %

Wiring Diagrams (Schematic)

