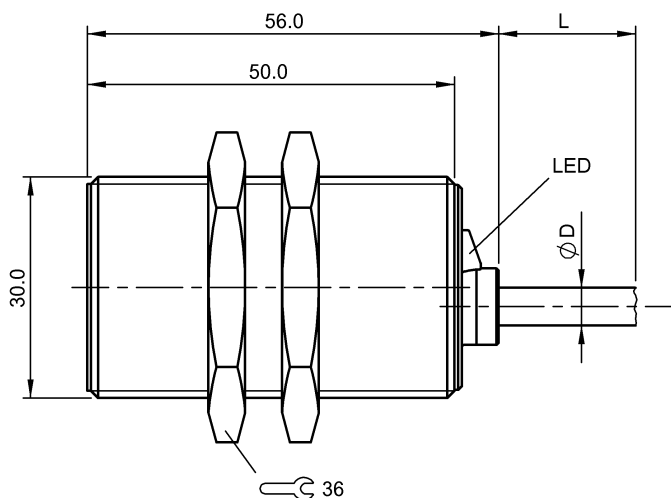




Basic features

Approval/Conformity	cULus WEEE EAC
Basic standard	IEC 60947-5-2
Principle of operation	Inductive sensor

Display/Operation

Function indicator	yes
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Electrical connection

Cable diameter D	4.60 mm
Cable length L	5 m
Conductor cross-section	0.34 mm ²
Connection type	Cable, 5.00 m, PVC
Number of conductors	2
Polarity reversal protected	yes
Short-circuit protection	no

Electrical data

Min. operating current I _m	5 mA
Operating voltage U _b	20...250 VAC
Protection class	II
Rated insulation voltage U _i	250 V AC
Rated operating current I _e	500 mA
Rated operating voltage U _e AC	110 V
Ready delay t _v max.	100 ms
Residual current I _r max.	1500 µA
Switching frequency	10 Hz
Utilization category	AC-140
Voltage drop static max.	4 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

Interface

Switching output	normally open (NO)
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Material

Housing material	Brass, nickel-plated
Material jacket	PVC
Material sensing surface	PA 12

Mechanical data

Dimension	Ø 30 x 56 mm
Installation	for flush mounting
Mounting length	50.50 mm
Size	M30x1.5
Tightening torque	36 Nm

Range/Distance

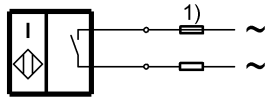
Assured operating distance S _a	10 mm
Hysteresis H max. (% of S _r)	15.0 %
Rated operating distance S _n	10 mm
Real switching distance s _r	10 mm
Repeat accuracy max. (% of S _r)	5.0 %
Temperature drift max. (% of S _r)	10 %
Tolerance S _r	±10 %

Remarks

Recommendation: After a short circuit check the device for proper function.

A filter is required for the EMC protection circuit. Conducted interference emission. Epcos, Model: B84112B0000B030.

Wiring Diagrams (Schematic)



1) For SCP see electrical data