

Made in Germany

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Connector

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no

Outputs

Output function	normally open
Voltage drop [V]	< 6.5 AC / < 6 DC
Minimum load current [mA]	5
Leakage current [mA]	< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

Current rating

- Current rating (continuous) [mA]	350 AC (...50 °C) / 250 AC (...80 °C) / 100 DC
- Current rating (peak) [mA]	î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25

Range

Sensing range [mm]	10
Real sensing range (Sr) [mm]	10 ± 10 %
Operating distance [mm]	0...8.1

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

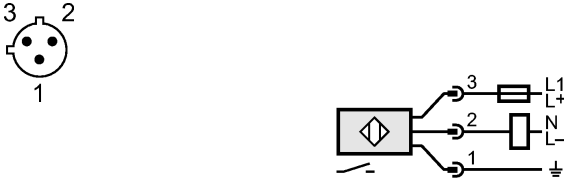
Environment

Ambient temperature [°C]	-25...80
Protection	IP 67

II0297

IIA2010-ABOA/SL/LS-100AK RT

Inductive sensors

Tests / approvals		
EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	607
Mechanical data		
Mounting	flush mountable	
Housing materials	Brass nickel-plated; PC (polycarbonate)	
Weight	[kg]	0.167
Displays / operating elements		
Output status indication	LED	Red
Electrical connection		
Connection	1/2" connector	
Wiring 		
Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)		
Accessories		
Accessories (included)	2 lock nuts	
Remarks		
Remarks	Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity	[piece]	1