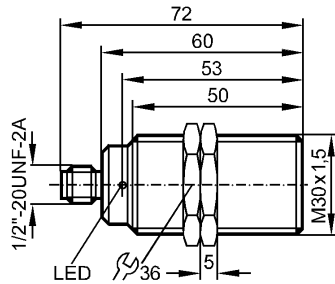


II0340

IIK2015BABOA/SL/LS-100-AK

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M30 x 1.5
Quick disconnect
Increased sensing range
Sensing range 15 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]	< 1 (250 V AC) / < 0.8 (140 V AC) / < 0.8 (24 V DC)

Current rating

- Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 40 DC

Monitoring range

Sensing range [mm]	15
Operating distance [mm]	0...12.1

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.47 / Cu approx. 0.4
Hysteresis [% of Sr]	3...20

Environment

Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals

I10340

I1K2015BABOA/SL/LS-100-AK

Inductive sensors

EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	609

Mechanical data

Mounting	flush mountable
Housing materials	housing: brass white bronze coated; active face: PBT; connector housing: polyamide; lock nuts: brass
Weight	[kg] 0.23

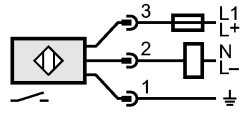
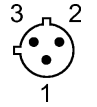
Displays / operating elements

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; 2 serrated washers
------------------------	---------------------------------

Remarks

Remarks	Recommendation: check the unit for reliable function after a short circuit.
---------	---

Pack quantity	[piece] 1
---------------	-----------