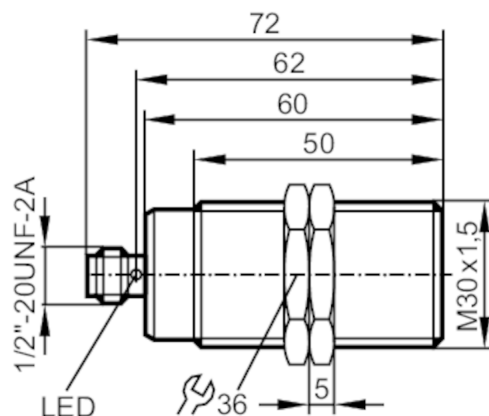


Inductive sensor

IIK2015RABOA/LS-104AK

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Product characteristics

Electrical design	series connection possible: 4 pcs.
Output function	normally open
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 72

Application

Special feature	Gold-plated contacts; Increased sensing range
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Electrical data

Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	series connection possible: 4 pcs.
Output function	normally open
Max. voltage drop switching output DC [V]	7.5
Max. voltage drop switching output AC [V]	7.5
Minimum load current [mA]	5
Max. leakage current [mA]	4
Permanent current rating of switching output AC [mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC [mA]	100
Short-time current rating of switching output [mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	40

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Switching frequency DC	[Hz]	25
Short-circuit proof		no
Overload protection		no

Detection zone

Sensing range	[mm]	15
Operating distance	[mm]	0...12.1
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	3...15

Operating conditions

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

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011 emission	class B

Mechanical data

Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 72
Thread designation		M30 x 1.5
Materials		brass white bronze coated; sensing face: PBT; lock nuts: brass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Аксессуары

Items supplied		lock nuts: 2
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Remarks

Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.	
	Note	
	miniature fuse to IEC60127-2 sheet 1	
	≤ 2 A	
	fast acting	
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Contacts: gold-plated

