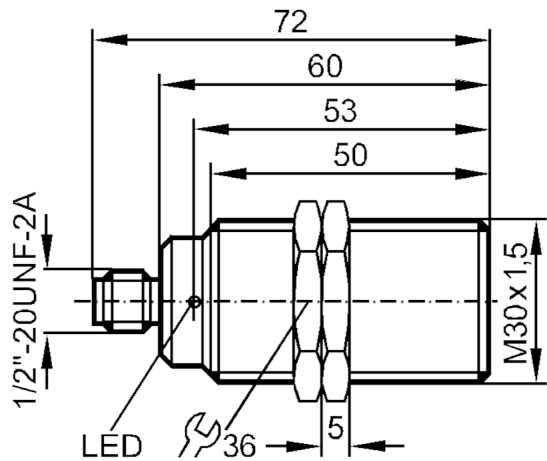




Inductive sensor

I1K2015BABOA/SL/LS-100-AK



Product characteristics		
Output function		normally open
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Application		
Special feature		Increased sensing range
Electrical data		
Operating voltage	[V]	20...250 AC/DC
Protection class		I
Reverse polarity protection		no



Inductive sensor

IIK2015BABOA/SL/LS-100-AK

Outputs		
Output function		normally open
Max. voltage drop switching output DC [V]		6
Max. voltage drop switching output AC [V]		6.5
Minimum load current [mA]		5
Max. leakage current [mA]		1 (250 V AC) / 0.8 (140 V AC) / 0.8 (24 V DC)
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]		25
Switching frequency DC [Hz]		40
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: 0.5 / aluminium: 0.47 / copper: 0.4	
Hysteresis [% of Sr]	3...20	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	class B
	EN 55011	
MTTF [years]	609	
Mechanical data		
Weight [g]	231.5	
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M30 x 1.5	
Thread designation	M30 x 1.5	
Materials	housing: brass white bronze coated; sensing face: PBT; connector housing: PA; lock nuts: brass	
Displays / operating elements		
Display	switching status	1 x LED, red
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	

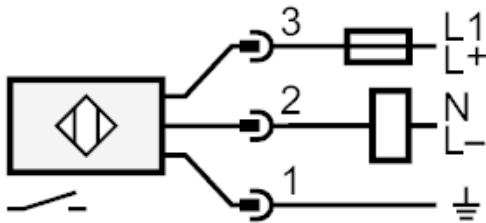


Inductive sensor

I1K2015BABOA/SL/LS-100-AK

Accessories	
Accessories (supplied)	lock nuts: 2
	serrated washers: 2
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.
Electrical connection - plug	

Connector: 1 x 1/2"



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting