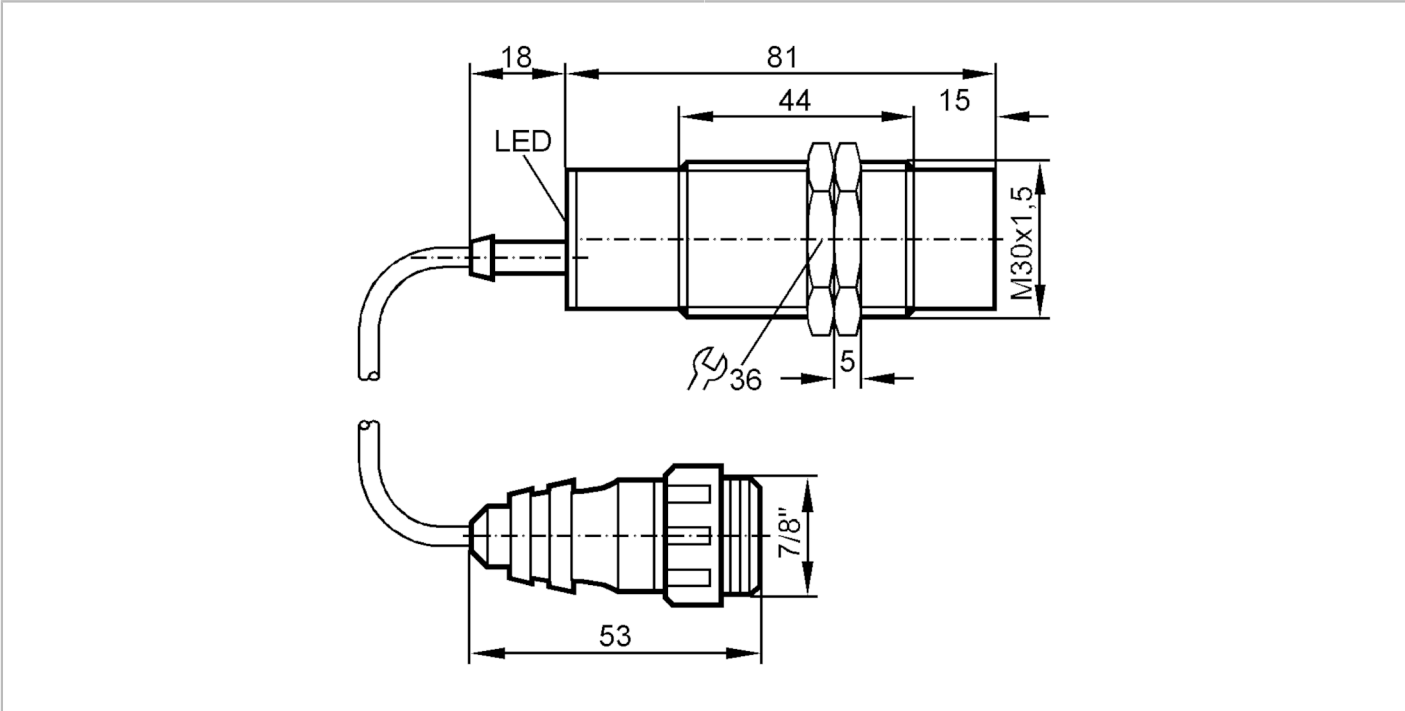




Inductive sensor

I1A2015-ABOA/V4A/0,8M/LS-300-L

Article no longer available - archive entry



Product characteristics		
Output function		normally open
Sensing range	[mm]	15
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC / 15...250 DC
Protection class		I
Reverse polarity protection		no
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]	2.5 (250 V AC) / 1.3 (110 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)



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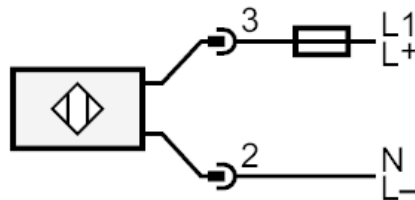
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	30
Short-circuit proof		no
Overload protection		no
Monitoring range		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Material		housing: stainless steel; sensing face: PBT; end cap: TPE-E
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories		
Items supplied		lock nuts: 2
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

**Inductive sensor**

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Electrical connection - plug

Connector: 1 x 7/8"; coding: A

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