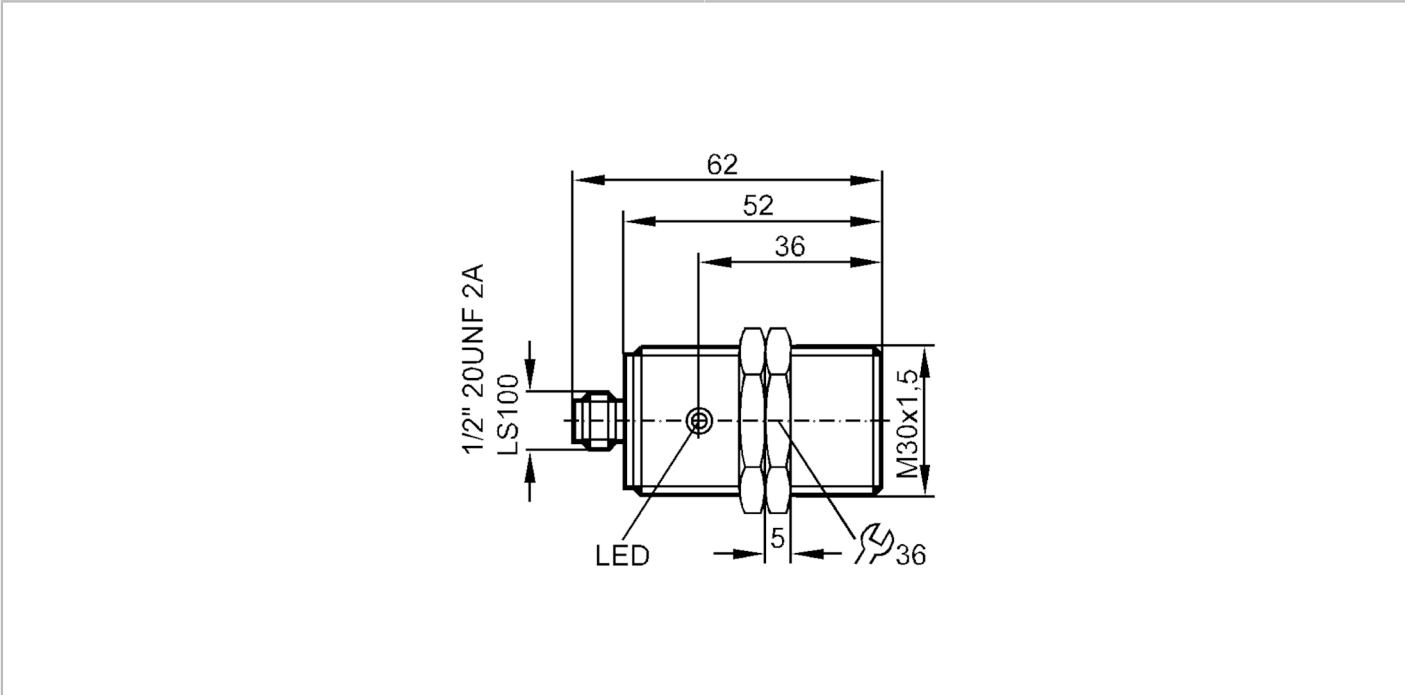




Inductive sensor

IIB2010-BBOW/SL/LS-100AK

Article no longer available - archive entry



Product characteristics		
Output function		normally closed
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	80...140 AC
Reverse polarity protection		no
Outputs		
Output function		normally closed
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1.7
Permanent current rating of switching output AC	[mA]	200
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	20
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	10

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

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...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		flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Materials		brass nickel-plated; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x 1/2"; coding: C





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Connection

