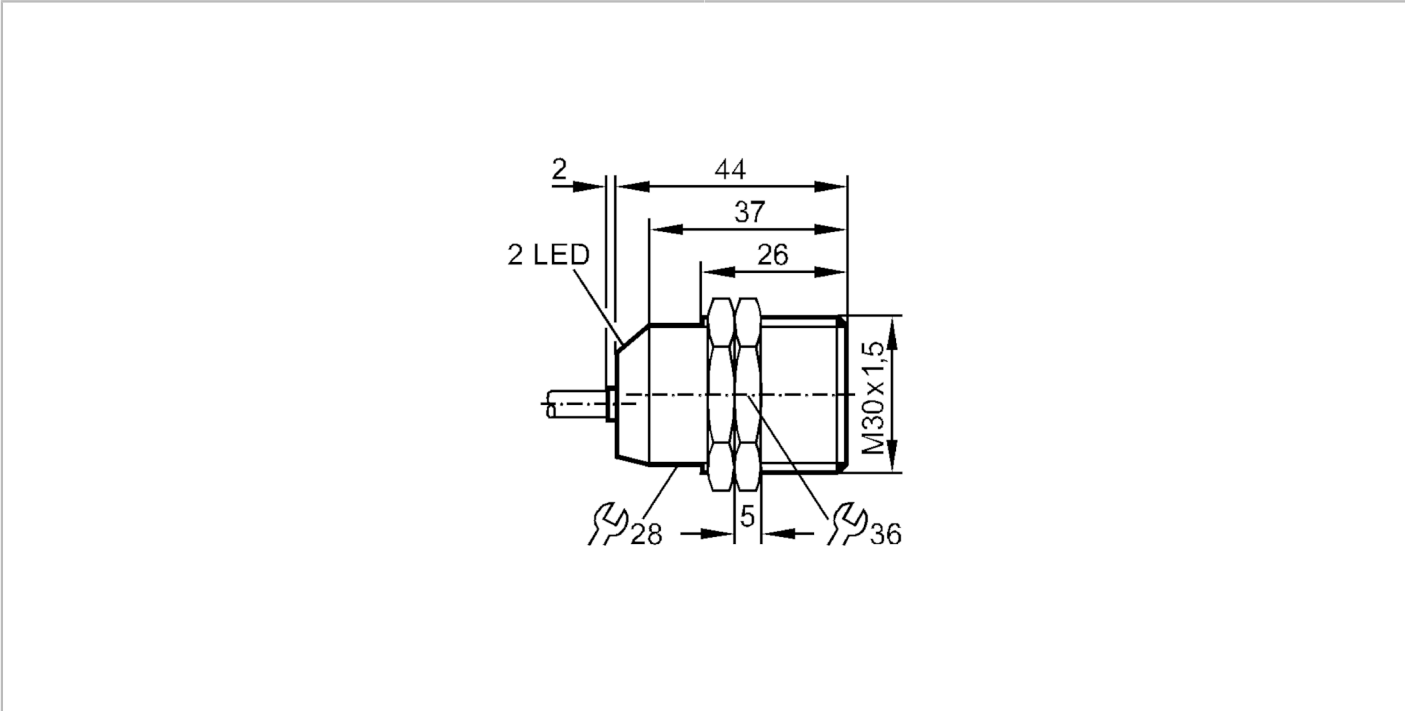




Inductive sensor

IIB2012BAROG/SC/UP/0,5m/US

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Product characteristics	
Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	12
Housing	threaded type
Dimensions [mm]	M30 x 1.5
Application	
Special feature	Increased sensing range; Optical setting aid; anti-spatter
Electrical data	
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	no
Outputs	
Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	5
Minimum load current [mA]	5
Max. leakage current [mA]	1
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	100
Short-circuit protection	no



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Overload protection	no
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Detection zone

Sensing range [mm]	12
Operating distance [mm]	0...9.7
Increased sensing range	yes

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [X01]	3...15

Operating conditions

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

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	sensing face: PBT anti-spatter; brass anti-spatter; end cap: PC

Displays / operating elements

Display	switching status	1 x LED, red
	setting aid	1 x LED, green
Optical setting aid	yes	

Аксессуары

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 0.5 m, PVC; cross-linked; 2 x 0.5 mm²

Connector: 1 x M12; coding: A



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Connection

