

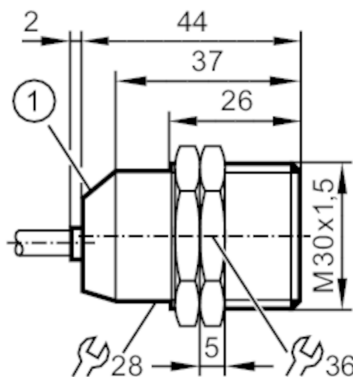
Inductive sensor

IIB2012BAROG/UP/SC/0,3mDC

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Alternative articles: IIR204

When selecting an alternative article and accessories please note that technical data may differ!



1 LED 2 x



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	12
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 44

Application

Special feature	Increased sensing range; Optical setting aid
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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
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	[% of Sr]	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		
Weight	[g]	180
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 44
Thread designation		M30 x 1.5
Materials		brass PTFE coated; PC
Displays / operating elements		
Display	switching status	1 x LED, red
	setting aid	1 x LED, green
Optical setting aid		yes
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.3 m, PUR; cross-linked; 2 x 0.5 mm ²		
Cable: 0.3 m, PUR; protective tube; 2 x 0.5 mm ²		
Connector: 1 x M12; coding: A		
		



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Connection

