

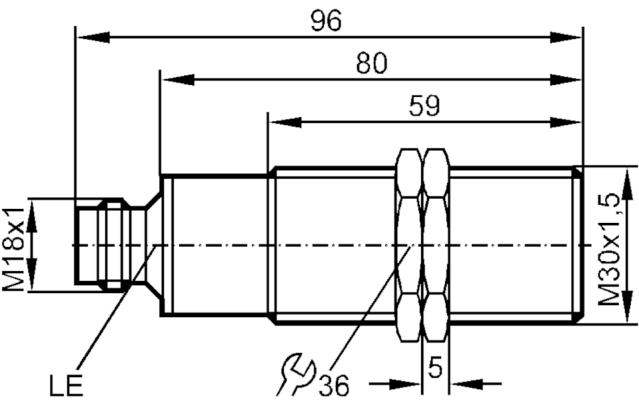


Inductive sensor

IIA3010-ANKG/BS-301-ANS

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Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	250
Short-circuit protection		yes

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Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range	[mm]	10
Real sensing range S_r	[mm]	$10 \pm 10 \%$
Operating distance	[mm]	0...8.1

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-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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Аксессуары

Items supplied	lock nuts: 2	
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Remarks

Pack quantity	1 pcs.	
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Electrical connection - plug

Connector: 1 x M18; coding: A





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Connection

