

II5480

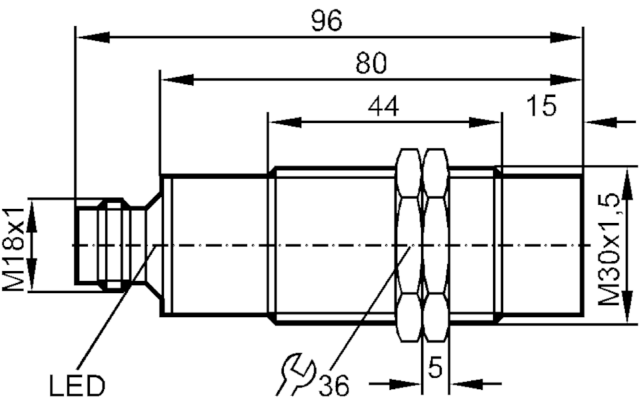


Inductive sensor

IIA3015-ANKG/BS-301-ANS

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Alternative articles: II5492
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	15
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]	15
Real sensing range S_r [mm]	$15 \pm 10 \%$
Operating distance [mm]	0...12.1

Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-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
Materials	brass white bronze coated; CO-PC

Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M18; coding: A



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Connection

