

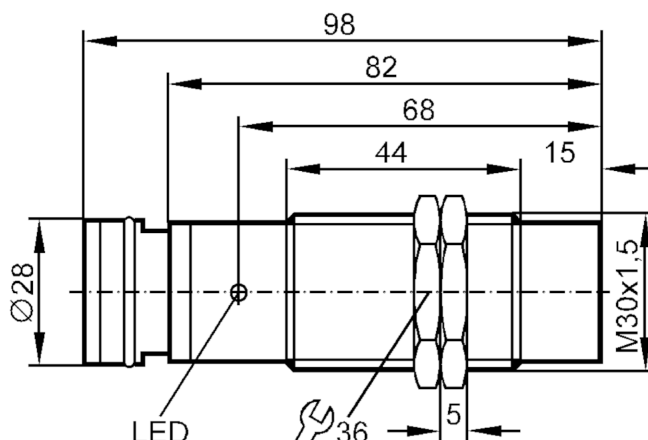
Inductive sensor

IIA2020-ABOA/SL/TS-600-A

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Alternative articles: II0315

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



Product characteristics

Output function	normally open
Sensing range [mm]	20
Housing	threaded type
Dimensions [mm]	M30 x 1.5

Electrical data

Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no

Outputs

Output function	normally open
Max. voltage drop switching output DC [V]	6
Max. voltage drop switching output AC [V]	6.5
Minimum load current [mA]	5
Max. leakage current [mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC [mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC [mA]	100



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Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	25
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	20
Real sensing range S_r	[mm]	$20 \pm 10 \%$
Operating distance	[mm]	0...16.2
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	3...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 nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x Ø 28 mm; coding: A

