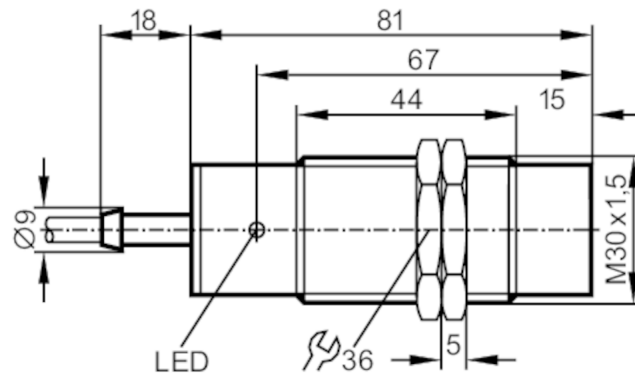


Inductive sensor

IIA3015-APKG/1,2M/AMP



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 81

Application

Special feature	Increased sensing range
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally closed
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
Overload protection	yes

Detection zone

Sensing range [mm]	15
Real sensing range S_r [mm]	$15 \pm 10 \%$
Operating distance [mm]	0...12.1
Increased sensing range	yes

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
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**Inductive sensor**

IIA3015-APKG/1,2M/AMP

Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
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Mechanical data

Weight	[g]	235.2
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Materials		brass nickel-plated; PBT
Tightening torque	[Nm]	50

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

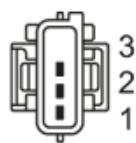
Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connectionCable: 1.2 m, PVC; slotted corrugated pipe; 3 x 0.5 mm²

Connector: 1 x TE





Inductive sensor

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Connection



	Core colours
1	brown
2	black
3	blue