

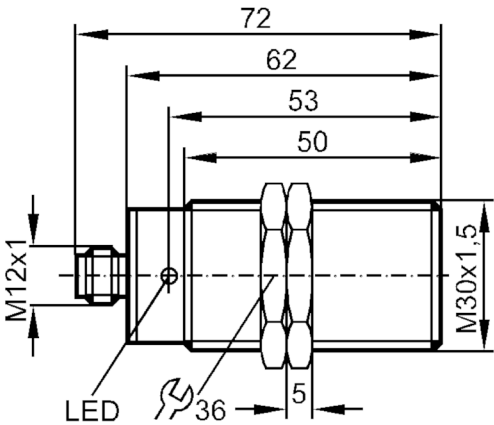


Inductive sensor

IIK3015BBPOG/US-100-DPS

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Alternative articles: II5742
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Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	15
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5
Application		
System		Increased sensing range
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	200



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Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Increased sensing range		yes

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
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	
	EN 55011	class B

Mechanical data

Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Material		housing: stainless steel (1.4571/316Ti); sensing face: PBT

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 connection - plug

Connector: 1 x M12; coding: A





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Connection

