



Inductive sensor

IIB3010-APOG/US-100-DPO



Product characteristics		
Electrical design		PNP
Output function		normally closed
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Operating voltage	[V]	18...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		no
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]	125; (150 (...50 °C))
Switching frequency DC	[Hz]	300
Short-circuit protection		no



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Overload protection	no
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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	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	856

Mechanical data

Weight	[g]	135.5
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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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

