

Inductive sensor

IIB3010-APOG/20m

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Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	10
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 45

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	10; (24 V)
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	300
Short-circuit protection	no
Overload protection	no

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 [X01]	1...15
Switch point drift [X01]	-10...10

Operating conditions

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



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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 / L = 45
Thread designation	M30 x 1.5	
Materials	brass nickel-plated; PBT	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Аксессуары		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 20 m, PVC; 3 x 0.5 mm²		
Connection		



Core colours :
 BN = brown
 BU = blue
 BK = black