

Inductive sensor

IIB3015-BNOG/MS

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Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5

Electrical data

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

Outputs

Electrical design	NPN
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]	250
Short-circuit protection	no
Overload protection	no

Detection zone

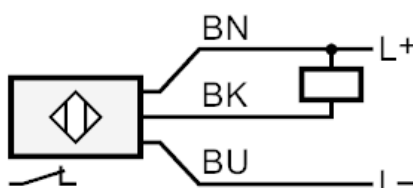
Sensing range [mm]	15
Real sensing range S_r [mm]	$10 \pm 10 \%$
Operating distance [mm]	0...8.1



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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	
Switch point drift	[% of Sr]	
		1...15
		-10...10
Operating conditions		
Ambient temperature		[-°C]
Protection		IP 67
Mechanical data		
Housing		threaded type
Mounting		non-flush mountable
Dimensions		[mm]
Thread designation		M30 x 1.5
Materials		M30 x 1.5
		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.
Electrical connection		
Cable: 10 m, PVC; 3 x 0.5 mm²		
Connection		



Core colours :

BN = brown

BU = blue

BK = black