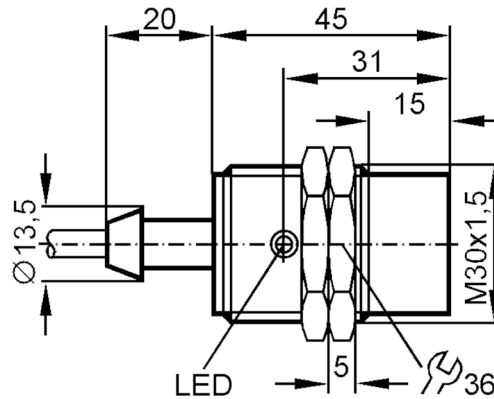




## Inductive sensor

IIB3015-BNOG/MS/20m

Article no longer available - archive entry



### 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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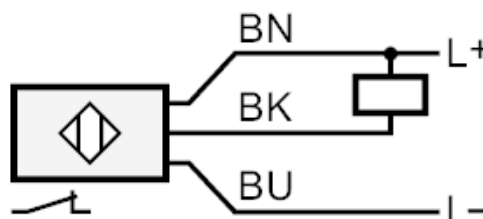


## Inductive sensor

IIB3015-BNOG/MS/20m

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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	non-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
Accessories		
Accessories (supplied)	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 20 m, PVC; 3 x 0.5 mm <sup>2</sup>		

### Connection



Core colours :

- BN = brown
- BU = blue
- BK = black

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**Inductive sensor**

II5232-15-BNOG/MS/20m



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