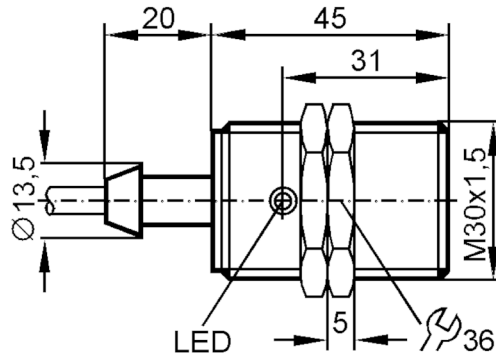




Inductive sensor

IIB3010-BNOG/MS/10m

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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]	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	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

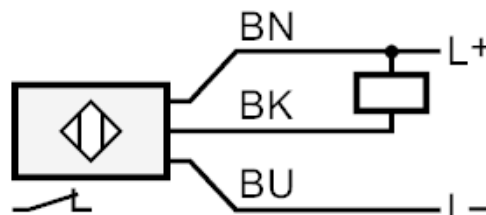
II5221



Inductive sensor

IIB3010-BNOG/MS/10m

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
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: 10 m, PVC; 3 x 0.5 mm ²		
Connection		



Core colours :

BN = brown
BU = blue
BK = black

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