II5102

Inductive sensor

IIA3015-ANOG/V4A

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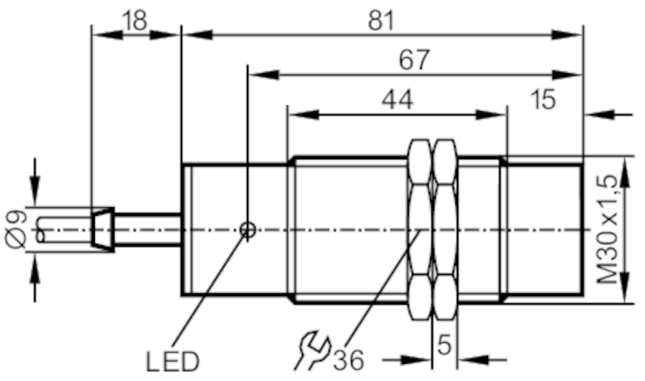

Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 81
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	< 7
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	1
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	50
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

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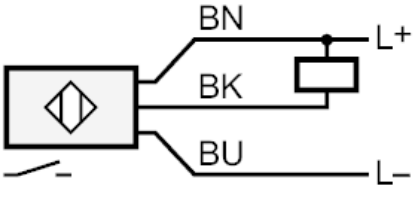
Operating conditions			
Ambient temperature	[°C]		-25...80
Protection			IP 67
Mechanical data			
Housing			threaded type
Mounting			non-flush mountable
Dimensions	[mm]		M30 x 1.5 / L = 81
Thread designation			M30 x 1.5
Materials			stainless steel (316Ti/1.4571); sensing face: PBT
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied			lock nuts: 2
Remarks			
Pack quantity			1 pcs.
Electrical connection			
Cable: 2 m, PVC; 3 x 0.5 mm²			
Connection			



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