II5131

Inductive sensor

IIA3010-BNOG/V4A/20m

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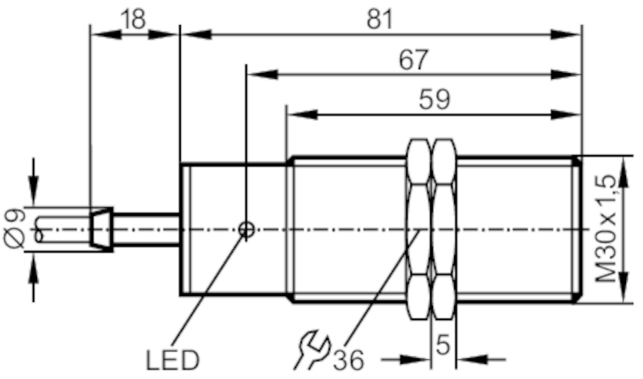

Product characteristics		
Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	10
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 81
Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	7; (24 V)
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		NPN
Output function		normally closed
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
Monitoring range		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

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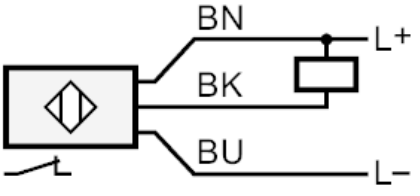
Operating conditions			
Ambient temperature	[°C]		-25...80
Protection			IP 67
Mechanical data			
Housing			Threaded type
Mounting			flush mountable
Dimensions	[mm]		M30 x 1.5 / L = 81
Thread designation			M30 x 1.5
Material			stainless steel (1.4571/316Ti); PBT
Displays / operating elements			
Display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

Cable: 20 m, PVC; 3 x 0.5 mm²

Connection



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