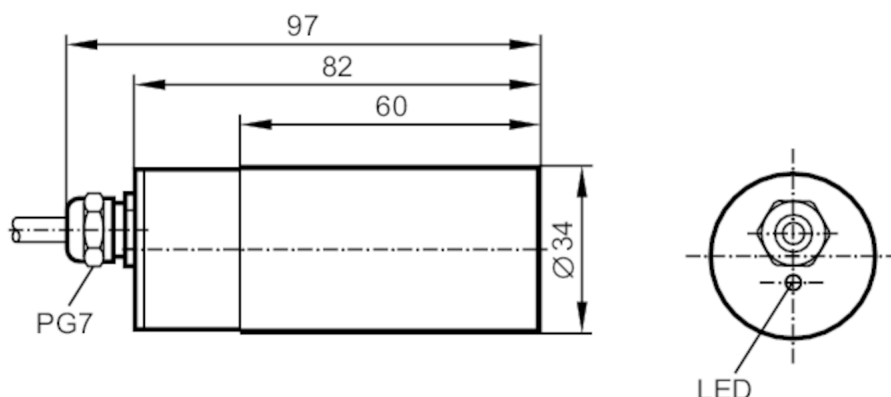


Inductive sensor

IB-2020-BBOA/MS/6M/SS

Article no longer available - archive entry



Product characteristics

Output function		normally closed
Sensing range	[mm]	20
Housing		cylindrical
Dimensions	[mm]	Ø 34 / L = 82

Electrical data

Operating voltage	[V]	20...250 AC/DC
Reverse polarity protection		no

Outputs

Output function		normally closed
Max. voltage drop switching output DC	[V]	6.5
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	20
Switching frequency DC	[Hz]	70
Short-circuit protection		no
Overload protection		no

Detection zone

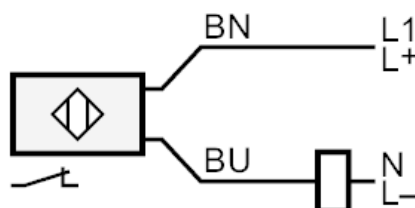
Sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2



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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[X01]	3...15
Switch point drift	[X01]	-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	cylindrical	
Mounting	non-flush mountable	
Dimensions	[mm]	Ø 34 / L = 82
Materials	housing: PBT; end cap: brass nickel-plated; PG cable gland: brass nickel-plated	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Аксессуары		
Items supplied	кріпильні хомути: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 6 m, silicone; 2 x 0.75 mm²		
Connection		



BN = Core colours :
brown
BU = blue