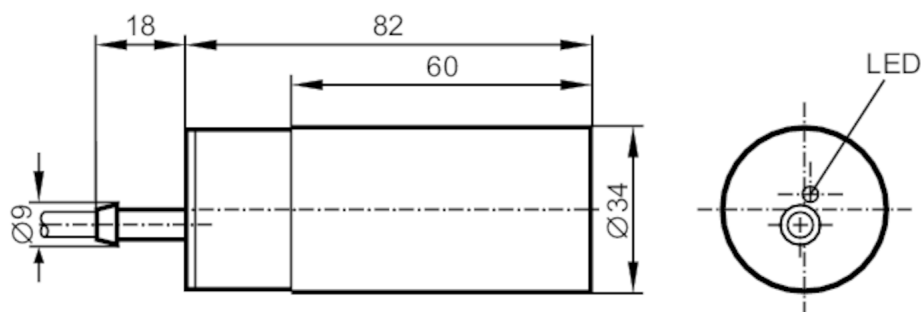




Inductive sensor

IB-2020-ABOW/20m

Article no longer available - archive entry



Product characteristics

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

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output AC	[V]	5.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5
Permanent current rating of switching output AC	[mA]	300; (500 (...50 °C))
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	15
Short-circuit proof		no
Overload protection		no

Monitoring range

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

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

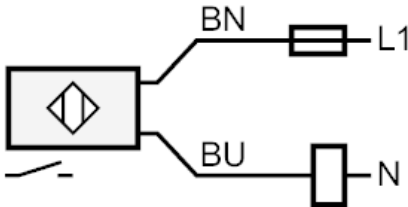
Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67



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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	tubular	
Mounting	non-flush mountable	
Dimensions [mm]	Ø 34 / L = 82	
Material	PBT	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Accessories		
Items supplied	Mounting clamp: 1	
Remarks		
Remarks	Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity	1 pcs.	
Electrical connection		
Cable: 20 m, PVC; 2 x 0.5 mm²		
Connection		
		
Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting Core colors : BN = brown BU = blue		