



Inductive sensor

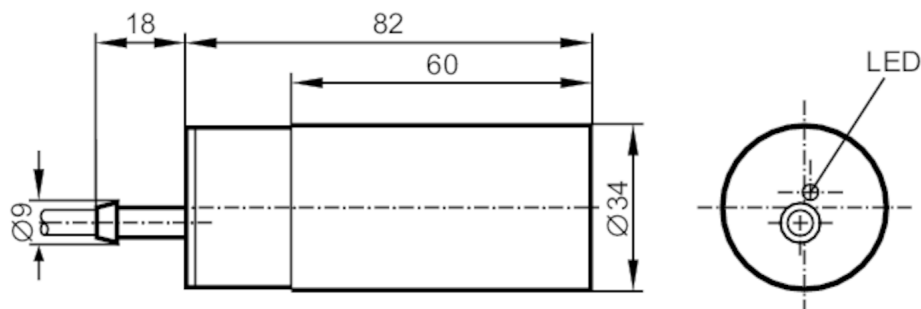
IB-2020RABOA

RT

Article no longer available - archive entry

Alternative articles: IB0098

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	series connection possible
Output function	normally open
Sensing range [mm]	20
Housing	cylindrical
Dimensions [mm]	Ø 34 / L = 82

Electrical data

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

Outputs

Electrical design	series connection possible
Output function	normally open
Max. voltage drop switching output DC [V]	7.5
Max. voltage drop switching output AC [V]	7.5
Minimum load current [mA]	5
Max. leakage current [mA]	4
Permanent current rating of switching output AC [mA]	70; (200 (...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]	25
Switching frequency DC [Hz]	50
Short-circuit protection	no
Overload protection	no

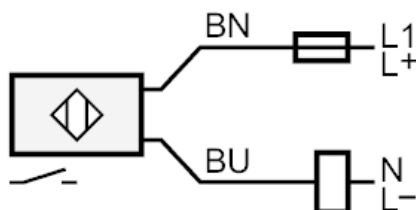


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Detection zone		
Sensing range	[mm]	20
Real sensing range Sr	[mm]	$20 \pm 10 \%$
Operating distance	[mm]	0...16.2
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		cylindrical
Mounting		non-flush mountable
Dimensions	[mm]	$\varnothing 34 / L = 82$
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Items supplied		Mounting clamps: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 2 x 0.5 mm ²		
Connection		



BN = Core colours :
brown
BU = blue