

IM0050

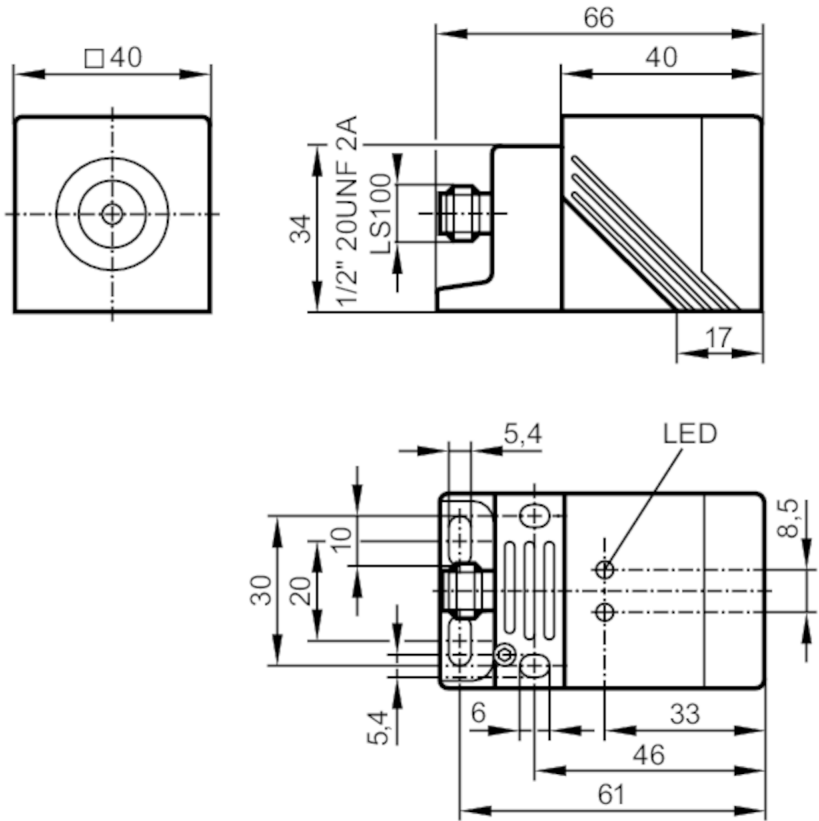


Inductive sensor

IMC2020BABOA/SL/LS-100AK

phase-out article

Alternative articles: IM0054
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Output function		normally open
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 66
Electrical data		
Operating voltage	[V]	20...250 AC/DC
Protection class		I
Reverse polarity protection		no
Outputs		
Output function		normally open
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	1.9



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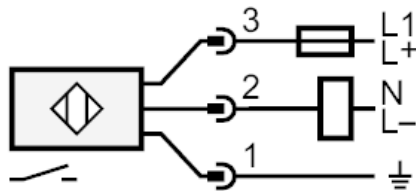
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (130 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	140
Short-circuit proof		no
Overload protection		no
Detection zone		
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: 0.9 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	599
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	power supply	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight	[g]	159
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 66
Materials		housing: PPE; sensing face: PPE orange; end cap: PPS; clamp: PPS black; screw: steel galvanised
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
Remarks		
Remarks		Recommendation: Check the safe functioning of the unit after a short circuit.
		5 positions of the active zone possible
Pack quantity		1 pcs.

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Electrical connection - plug

Connector: 1 x 1/2"; coding: C; Locking: brass, white bronze coated



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting