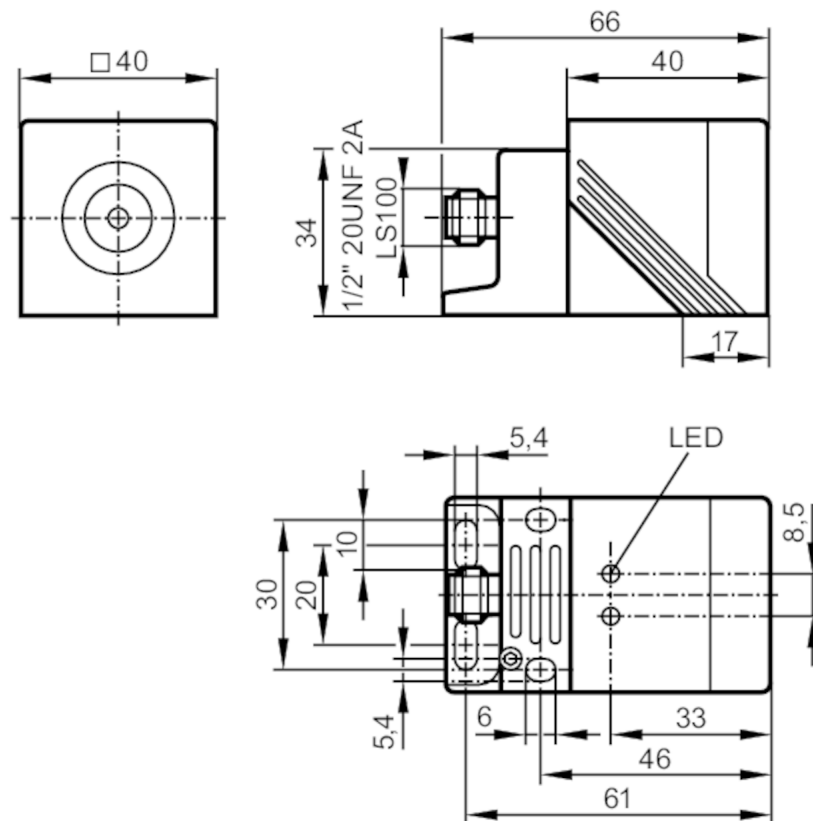


IM0050



Inductive sensor

IMC2020BABOA/SL/LS-100AK



Electrical data

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



Inductive sensor

IMC2020BABOA/SL/LS-100AK

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
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
	voltage supply	Unlimited Voltage
	File number UL	E174191
Mechanical data		
Weight [g]	158.2	
Housing	rectangular	
Mounting	flush mountable	
Dimensions [mm]	40 x 40 x 66	
Materials	PPE; clamp: PPS; connector housing: brass white bronze coated	
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	



Inductive sensor

IMC2020BABOA/SL/LS-100AK

Remarks

Remarks

Recommendation: Check the safe functioning of the unit after a short circuit.

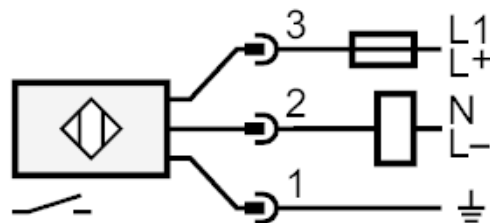
5 positions of the active zone possible

Pack quantity

1 pcs.

Electrical connection - plug

Connector: 1 x 1/2"



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