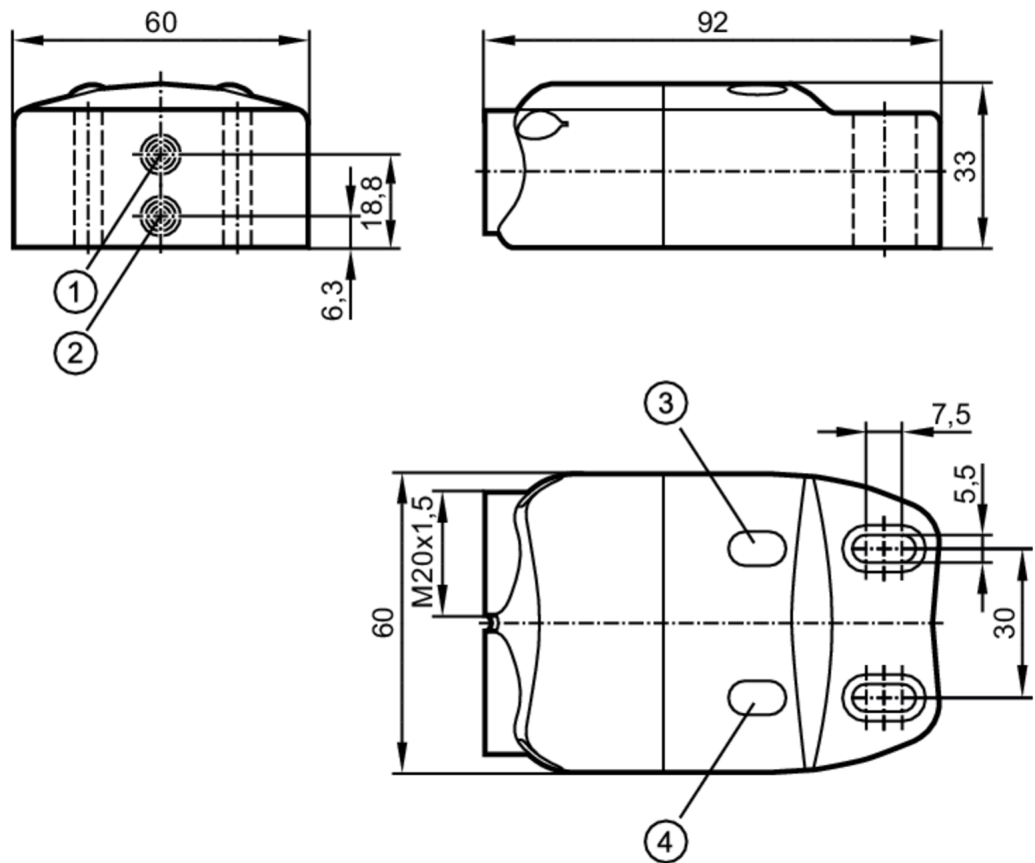


IN0131



Inductive sensor

INE2004DABOA



- 1 sensor 1
- 2 sensor 2
- 3 LED OUT 2
- 4 LED OUT 1



Electrical data		
Operating voltage	[V]	20...250 AC/DC
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes

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INE2004DABOA

Outputs		
Output function		2 x normally open
Max. voltage drop switching output DC	[V]	6
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]	25
Switching frequency DC	[Hz]	50
Short-circuit protection		no
Overload protection		no
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	307
UL approval		Ta
		Enclosure type
		voltage supply
		File number UL
		-25...70 °C
		Type 1
		Unlimited Voltage
		E174191
Mechanical data		
Weight	[g]	171.5
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	33 x 60 x 92
Materials		housing: PA
Displays / operating elements		
Display		switching status
		2 x LED, yellow

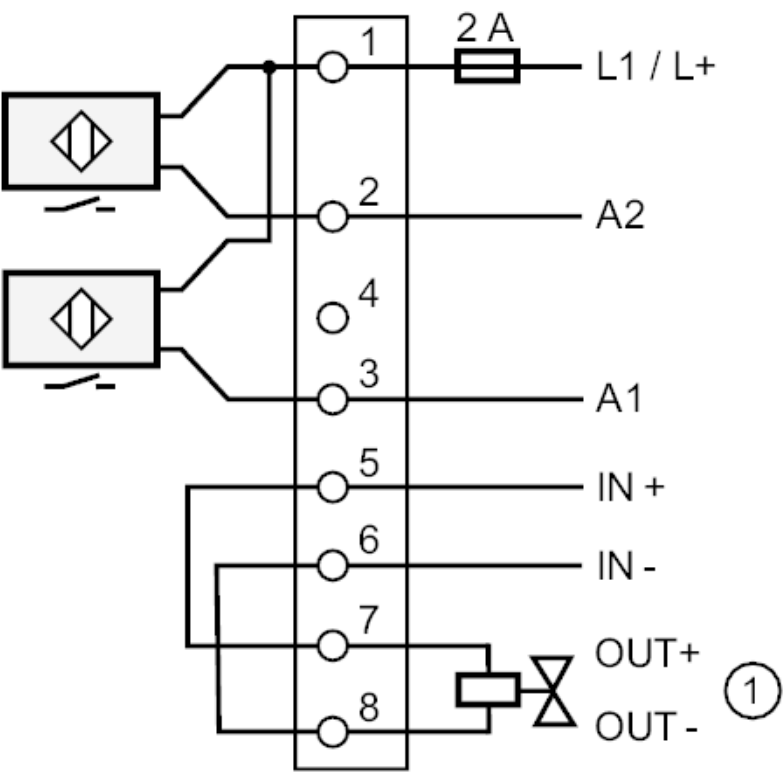
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Inductive sensor

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Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Accessories (supplied)	washers: 2
	cylinder screws: 2 x M5 x 18
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.
Electrical connection	
terminal strip in the terminal chamber:	
Connection	



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