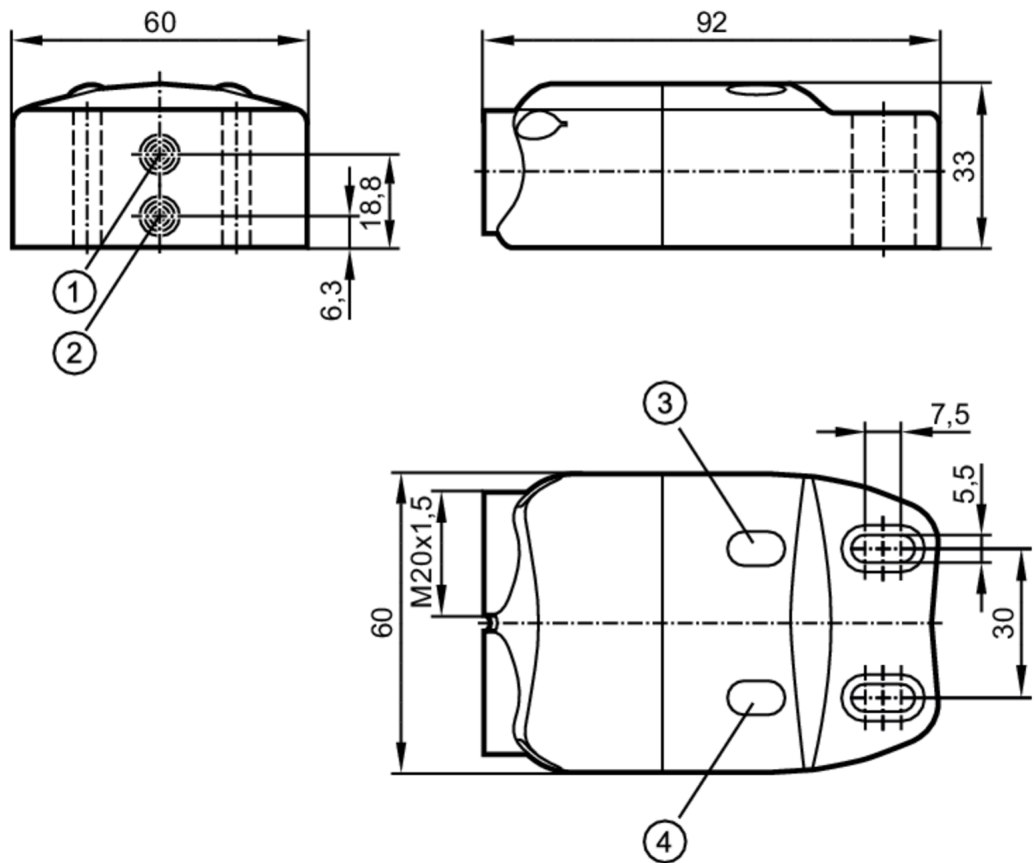


IN5409



Inductive sensor

INE3004DBPKG



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



Product characteristics

Electrical design	PNP
Output function	2 x normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	33 x 60 x 92

Application

Application	Position sensor for valve actuators; actuator control
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Electrical data

Operating voltage [V]	10...30 DC; (; to PELV)
Current consumption [mA]	15; (a maximum of one output is switched)
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	2 x normally open

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Inductive sensor

INE3004DBPKG

Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Valve control		24 (< 20 W)

Monitoring range		
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 / 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

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1072

Mechanical data		
Weight	[g]	162.65
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	33 x 60 x 92
Material		housing: PA; screws: stainless steel; washer: stainless steel

Displays / operating elements		
Display	Switching status	2 x LED, yellow

Accessories		
Items supplied		washers: 2
		cylinder screws: 2 x (M5 x 18 mm)

Remarks		
Pack quantity		1 pcs.

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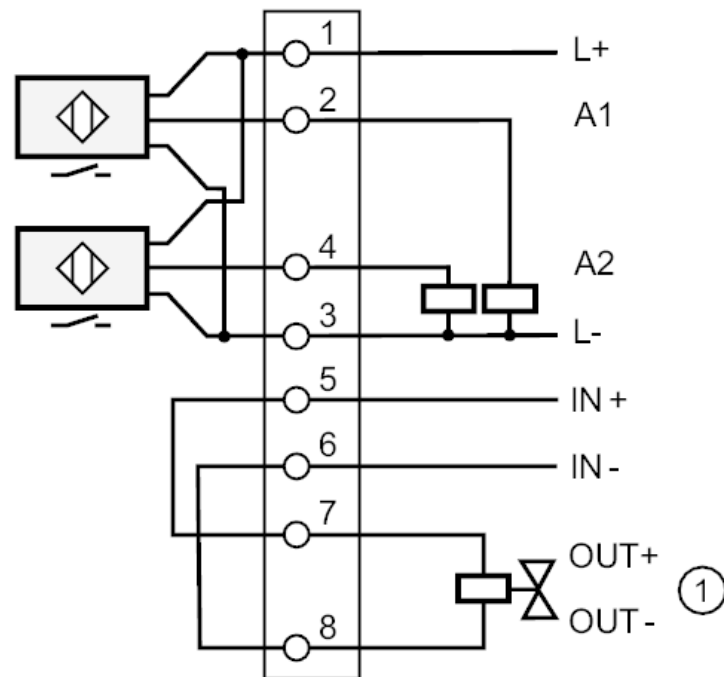
Inductive sensor

INE3004DBPKG

Electrical connection

Terminal strip in the terminal chamber:

Connection



1: solenoid valve output