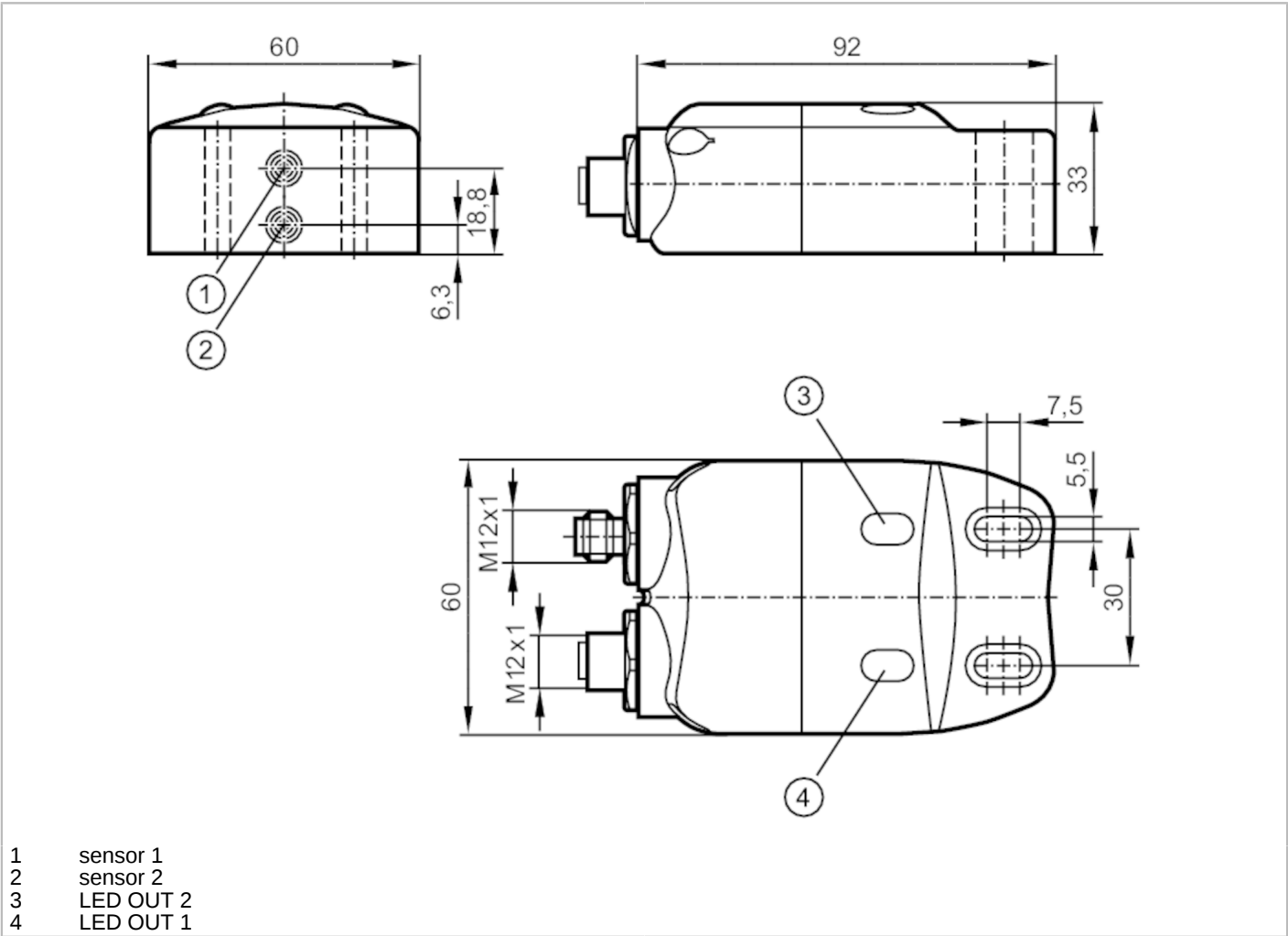


IN5417



Inductive sensor

INE3004DBPKG/PLUG M12/SOCKET M12



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
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/PLUG M12/SOCKET M12

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

Mechanical data		
Weight	[g]	211.4
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	33 x 60 x 92
Material		housing: PA; screws: stainless steel; washer: stainless steel
Tightening torque	[Nm]	1.8; (Mounting screw)

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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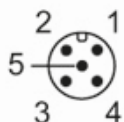
Electrical connection - Socket

Connector: 1 x M12; coding: A



Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

