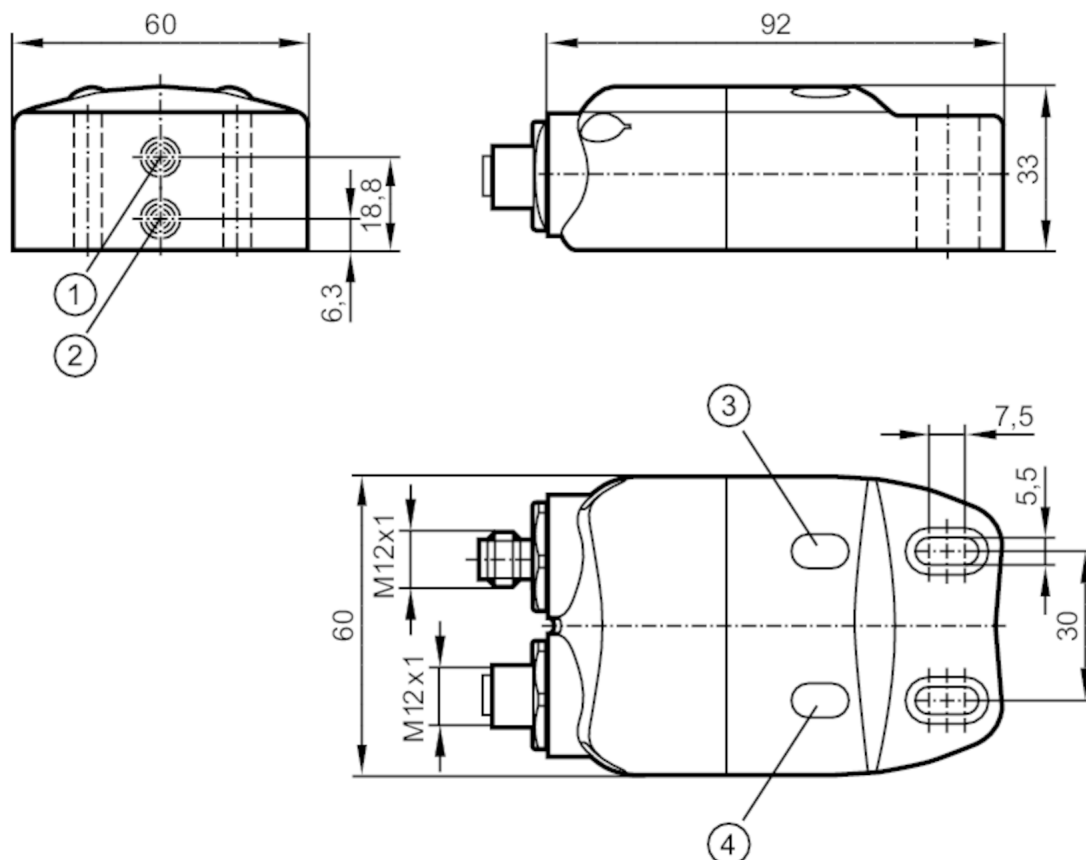


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Inductive sensor

INE3004DBPKG/PLUG M12/SOCKET M12



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



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

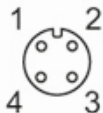
Electrical design		PNP
Output function		2 x normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	500
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Valve control		24 (< 20 W)

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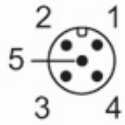
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight	[g]	205
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	33 x 60 x 92
Materials		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		
Accessories (supplied)		washers: 2
		cylinder screws: 2 x M5 x 18
Remarks		
Pack quantity		1 pcs.
Electrical connection - socket		
Connector: 1 x M12		
		
Electrical connection - plug		
Connector: 1 x M12		

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INE3004DBPKG/PLUG M12/SOCKET M12



Connection

