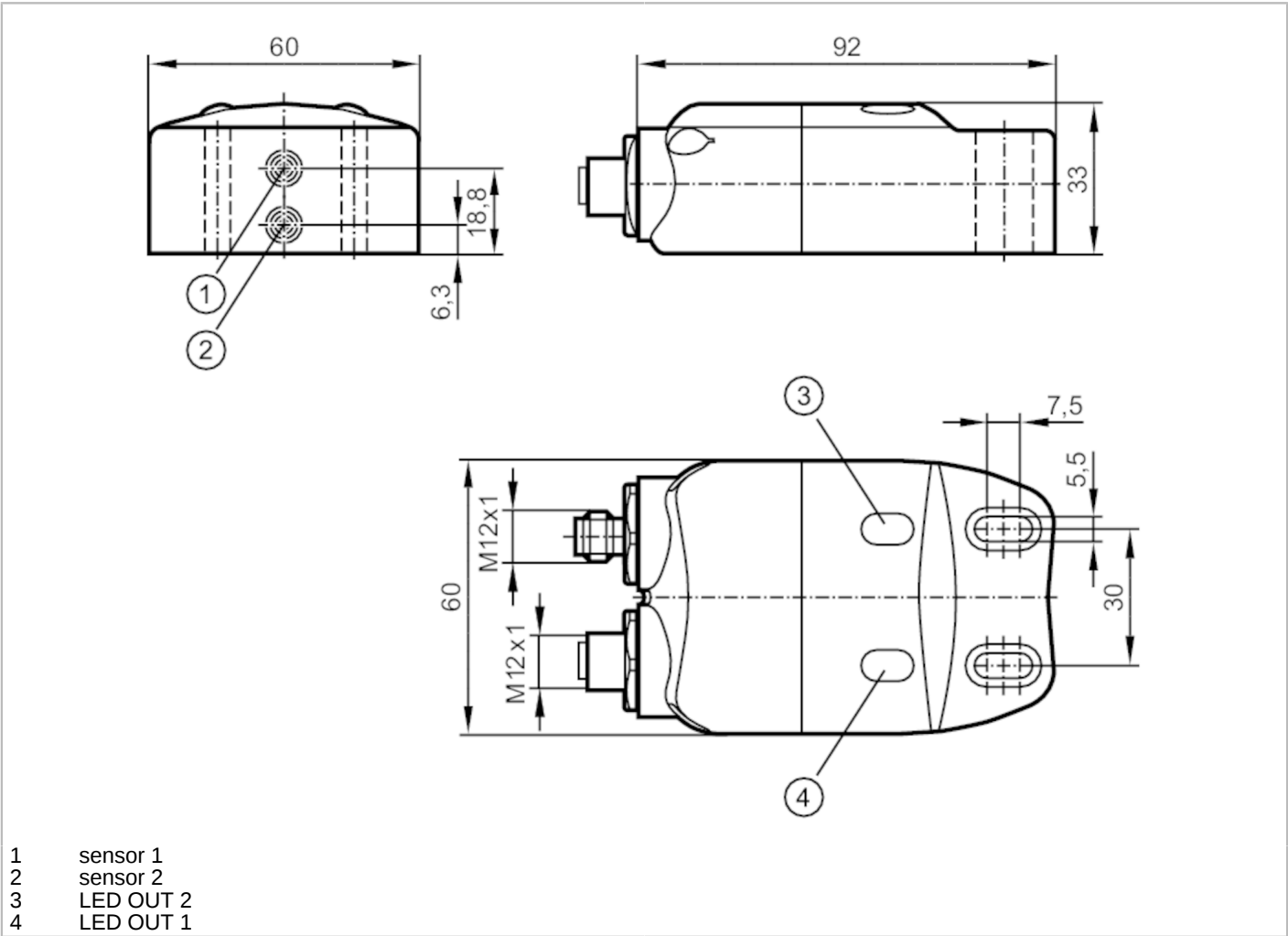


IN5417



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

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

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Inductive sensor

INE3004DBPKG/PLUG M12/SOCKET M12

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)

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]	205.5
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
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Accessories

Items supplied		washers: 2
		cylinder screws: 2 x M5 x 18

Remarks

Pack quantity		1 pcs.
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IN5417



Inductive sensor

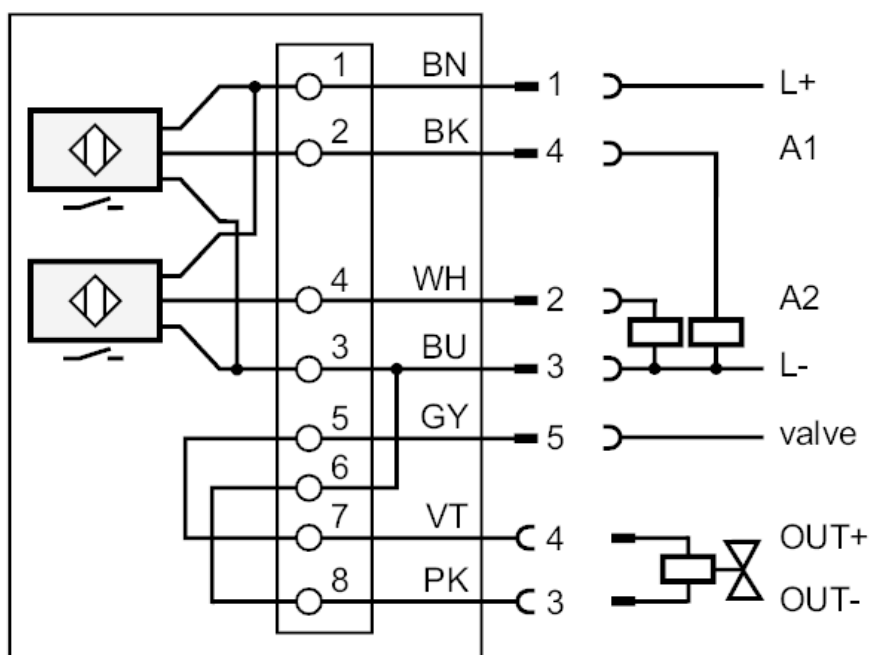
INE3004DBPKG/PLUG M12/SOCKET M12

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection



Electrical connection - socket

Connector: 1 x M12; coding: A

