

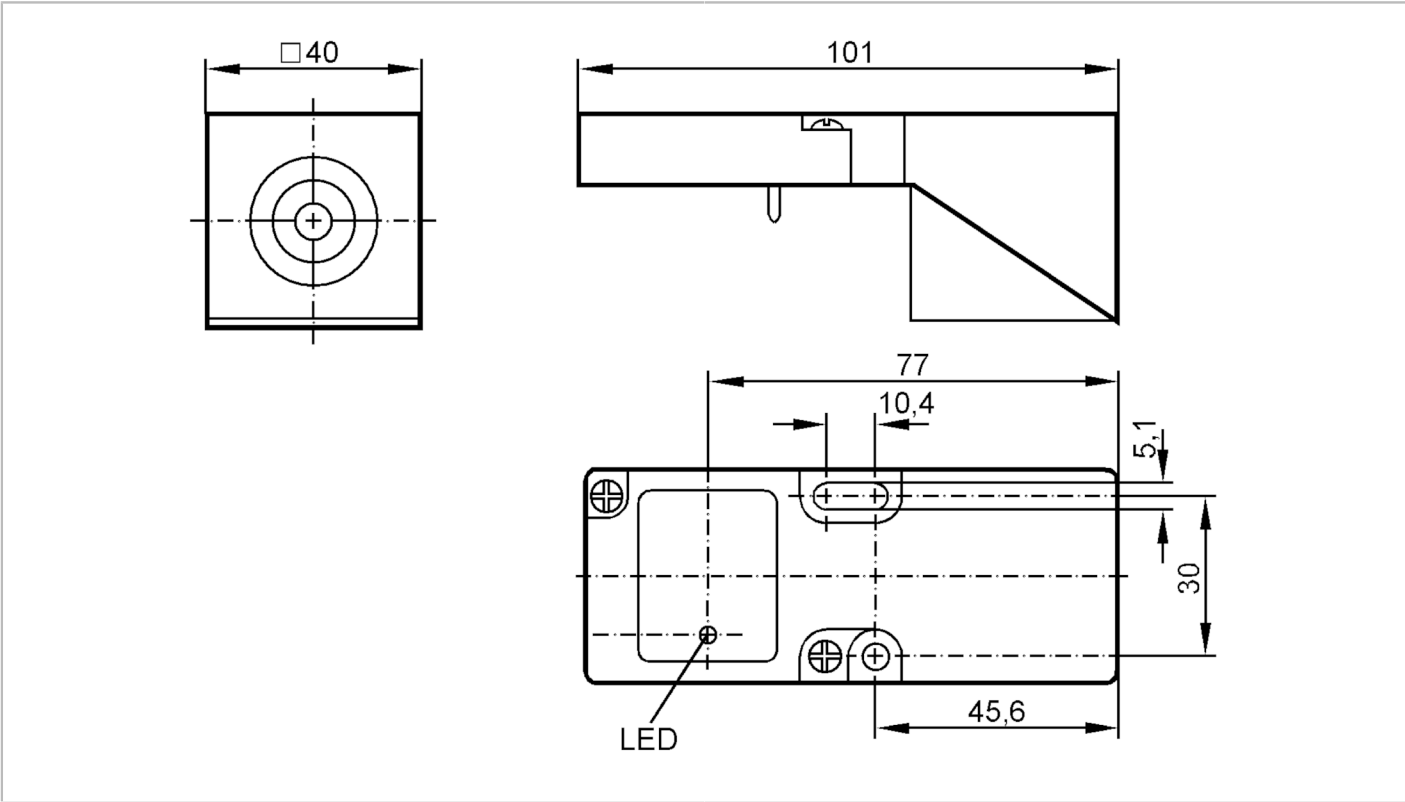


Inductive sensor

Elektronikteil/IM0007

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Alternative articles: E10168
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Product characteristics		
Output function		normally open / normally closed; (selectable)
Sensing range	[mm]	15
Housing		rectangular
Electrical data		
Operating voltage	[V]	20...250 AC/DC
Reverse polarity protection		no
Outputs		
Output function		normally open / normally closed; (selectable)
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



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Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	20
Switching frequency DC	[Hz]	55
Short-circuit protection		no
Overload protection		no

Detection zone

Sensing range	[mm]	15
Real sensing range S_r	[mm]	$15 \pm 10 \%$
Operating distance	[mm]	0...12.1

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
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Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		flush mountable
Materials		PPE

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Remarks		5 positions of the active zone possible
Pack quantity		1 pcs.

Electrical connection

Mounting base: ...2.5 mm²

Connection

