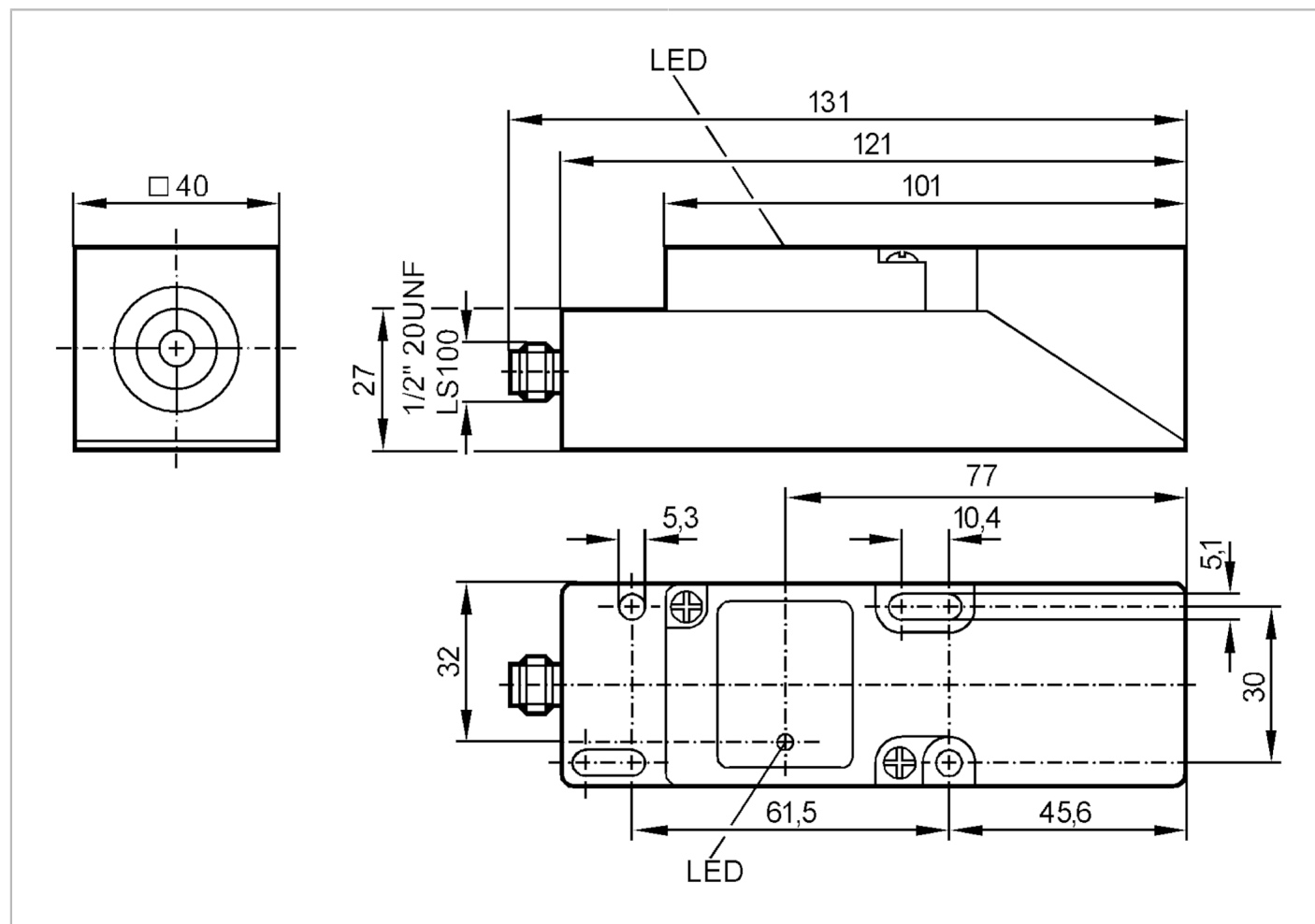


IM3505



Inductive sensor

IME2015BFB0A/LS100AK



Product characteristics

Output function		normally open / closed; (selectable)
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 131

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		no

Outputs

Output function		normally open / 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))

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Permanent current rating of switching output DC	[mA]	100
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

Monitoring range		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1

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

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 65

Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data		
Weight	[g]	208.652
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 131
Material		PPE

Displays / operating elements		
Display	Switching status	1 x LED, red

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

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Electrical connection - plug

Connector: 1 x 1/2"; coding: C

