

IM5015

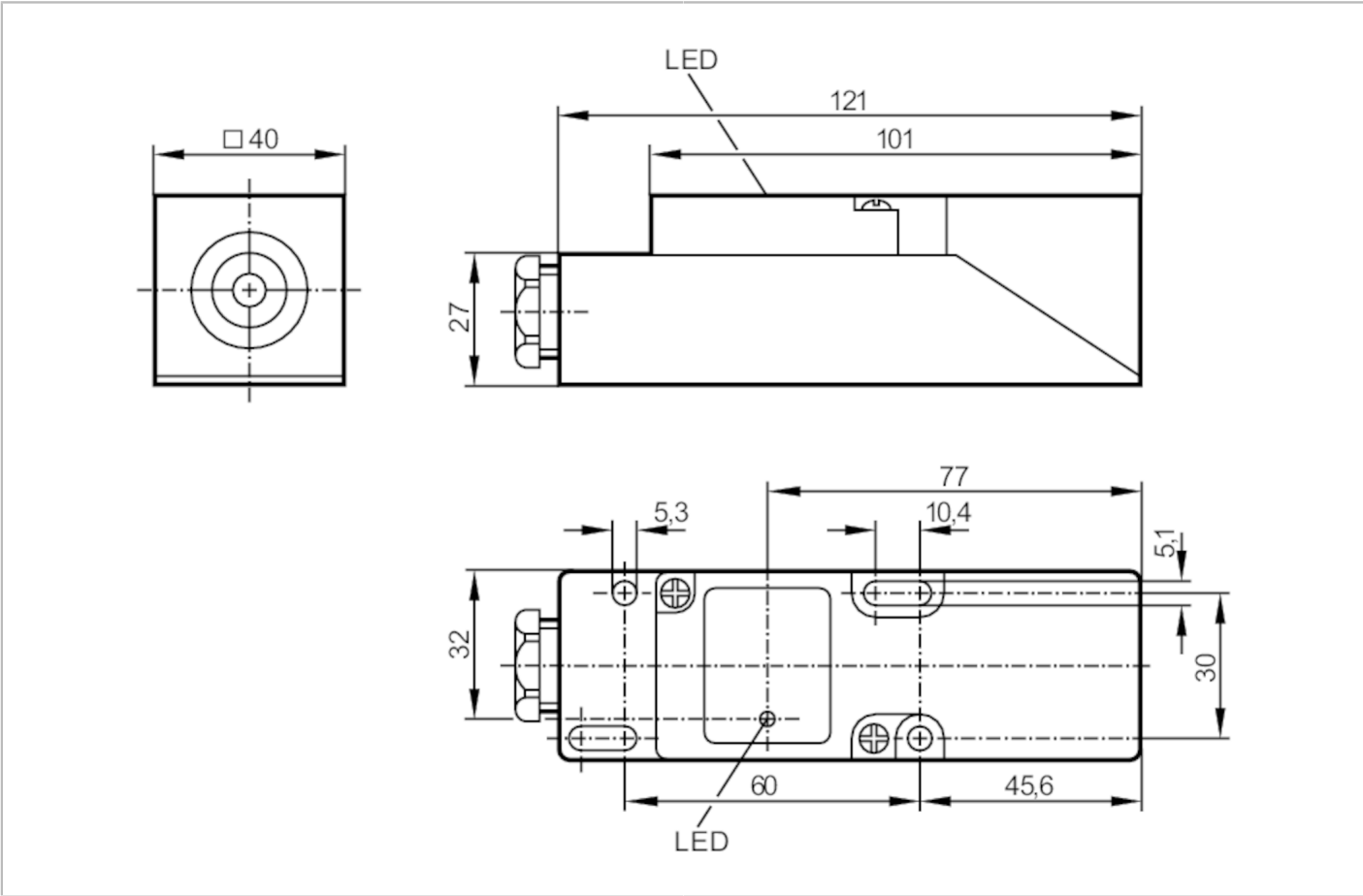


Inductive sensor

IME2015BFROG

Article no longer available - archive entry

Alternative articles: IM5037
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 120
Electrical data	
Operating voltage [V]	8...30 DC
Protection class	II
Reverse polarity protection	no
Outputs	
Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	5.5



Inductive sensor

IME2015BFROG

Minimum load current	[mA]	5
Max. leakage current	[mA]	1.4 (24 V DC)
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	18
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: 0.4 / copper: 0.3
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

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

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 120
Materials		PPE modified

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm

Connection

