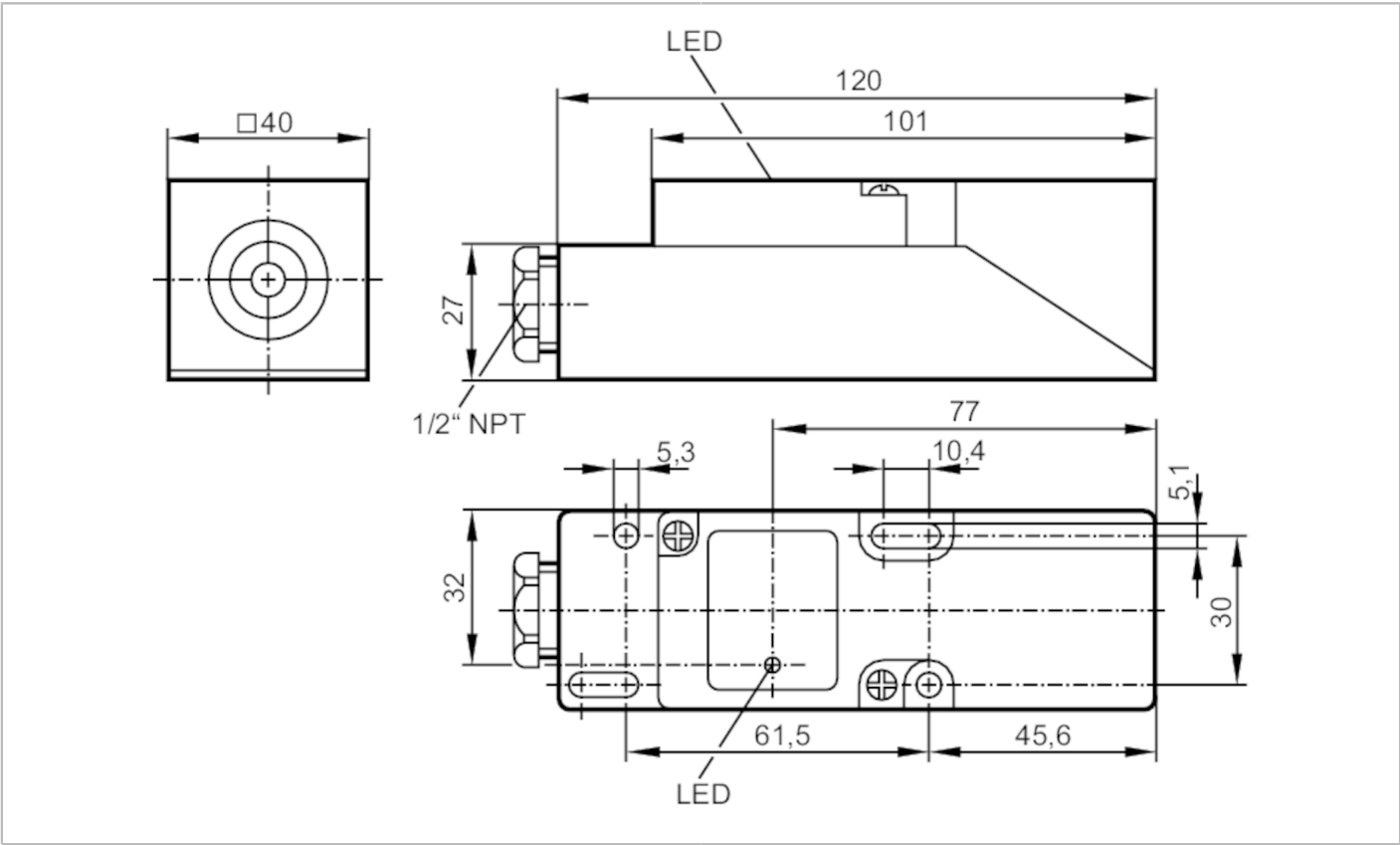


IM5040



Inductive sensor

IME3015-FNKG/NPT RT



Product characteristics		
Electrical design		NPN
Output function		normally open / closed; (selectable)
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 120
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	350
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)

IM5040



Inductive sensor

IME3015-FNKG/NPT RT

Overload protection	yes
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Monitoring range

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 / aluminum: 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
Protection		IP 65

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1844

Mechanical data

Weight	[g]	195
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 120
Material		PPE modified

Displays / operating elements

Display	Switching status	1 x LED, red
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Remarks

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

Electrical connection

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

Connection

