

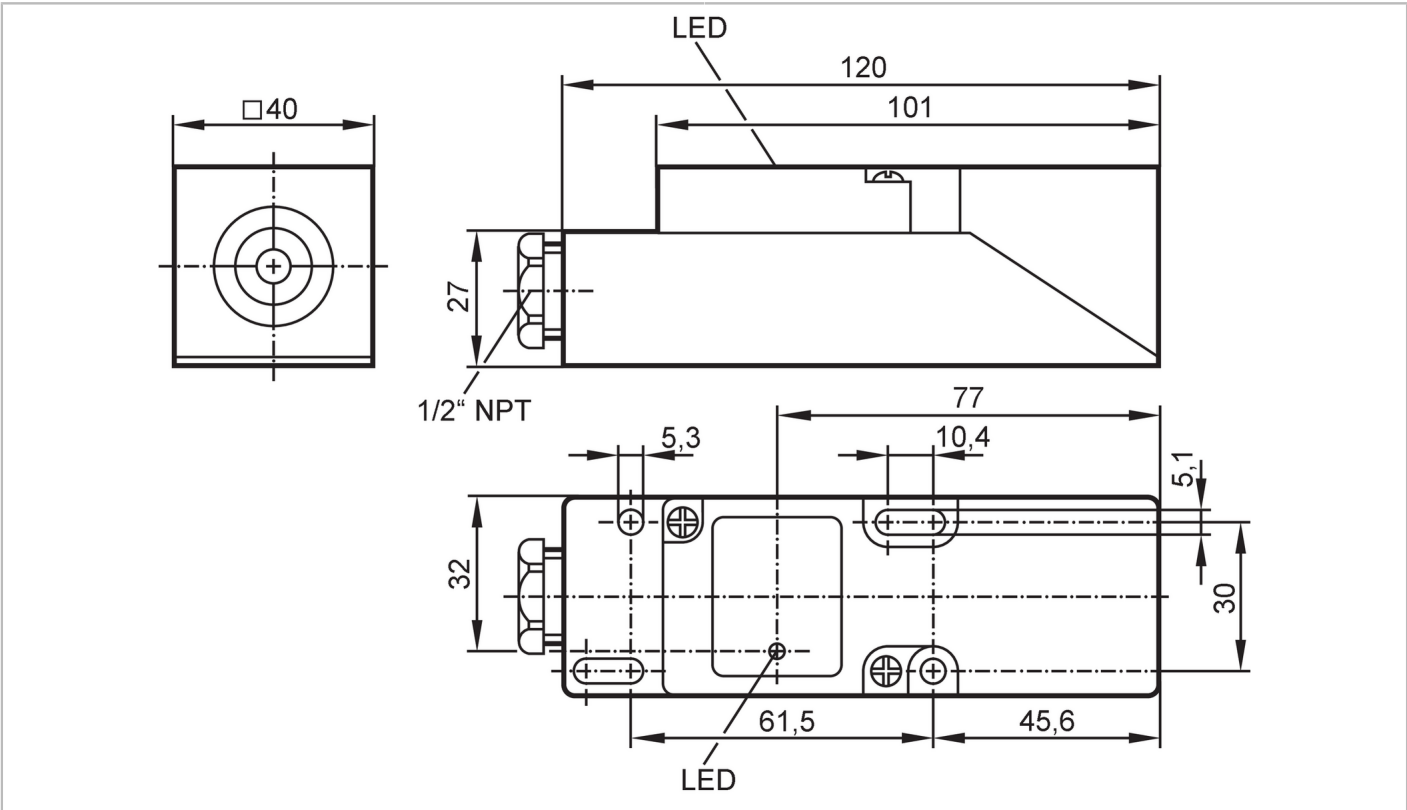
IM5040



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)
Overload protection	yes

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Inductive sensor

IME3015-FNKG/NPT RT

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
MTTF	[years]	1844
Mechanical data		
Weight	[g]	217
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
Remarks		
Remarks		5 positions of the active zone possible
Pack quantity		1 pcs.
Electrical connection		
terminals: ...2.5 mm ² ; Cable sheath: Ø 7...13 mm		
Connection		

