

IM5036



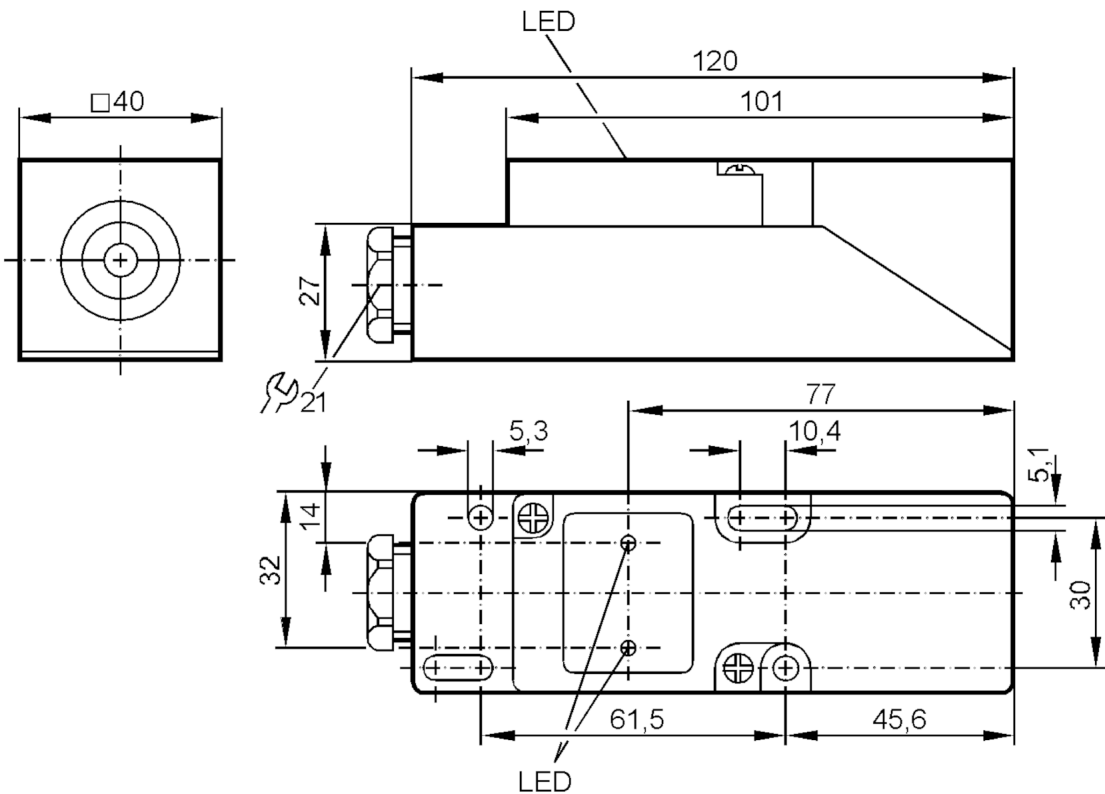
Inductive sensor

IME3020-FPKG/2LED

Article no longer available - archive entry

Alternative articles: IM5019

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open / closed; (selectable)
Sensing range [mm]	20
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	PNP
Output function	normally open / closed; (selectable)
Max. voltage drop switching output DC [V]	2.5

IM5036



Inductive sensor

IME3020-FPKG/2LED

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

Monitoring range		
Sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2

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	

Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 40 x 120
Material		PPE

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

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

IM5036



Inductive sensor

IME3020-FPKG/2LED

Electrical connection

terminals: ...2.5 mm²

Connection

