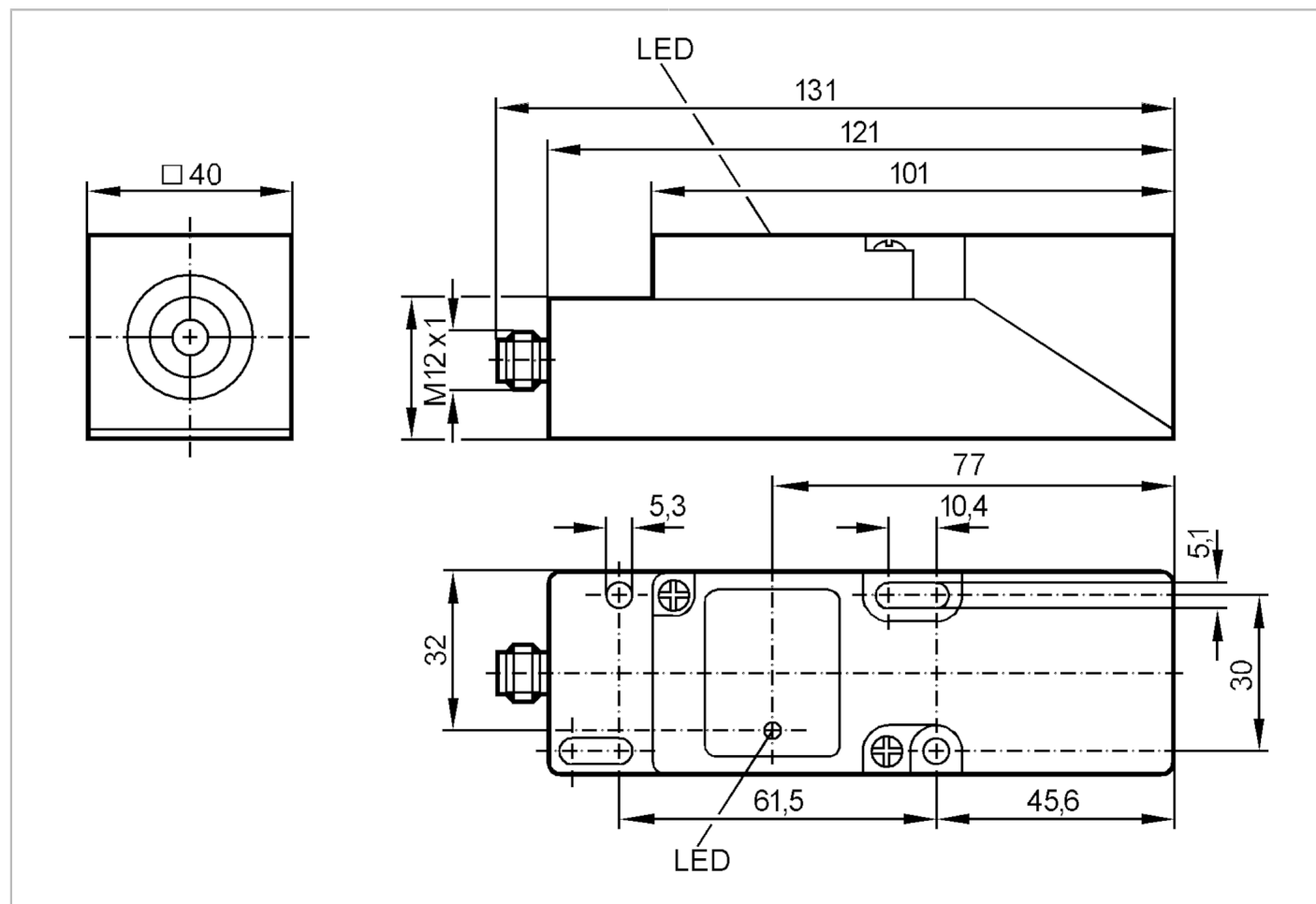




Inductive sensor

IME3020-FPKG/US100DPS



Product characteristics

Electrical design	PNP
Output function	normally open / normally 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 / normally 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

IM8507



Inductive sensor

IME3020-FPKG/US100DPS

Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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 / aluminium: 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]	199.58
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 40 x 120
Materials		PPE

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 - plug

Connector: 1 x M12; coding: A



IM8507



Inductive sensor

IME3020-FPKG/US100DPS

Connection

