

IM5039



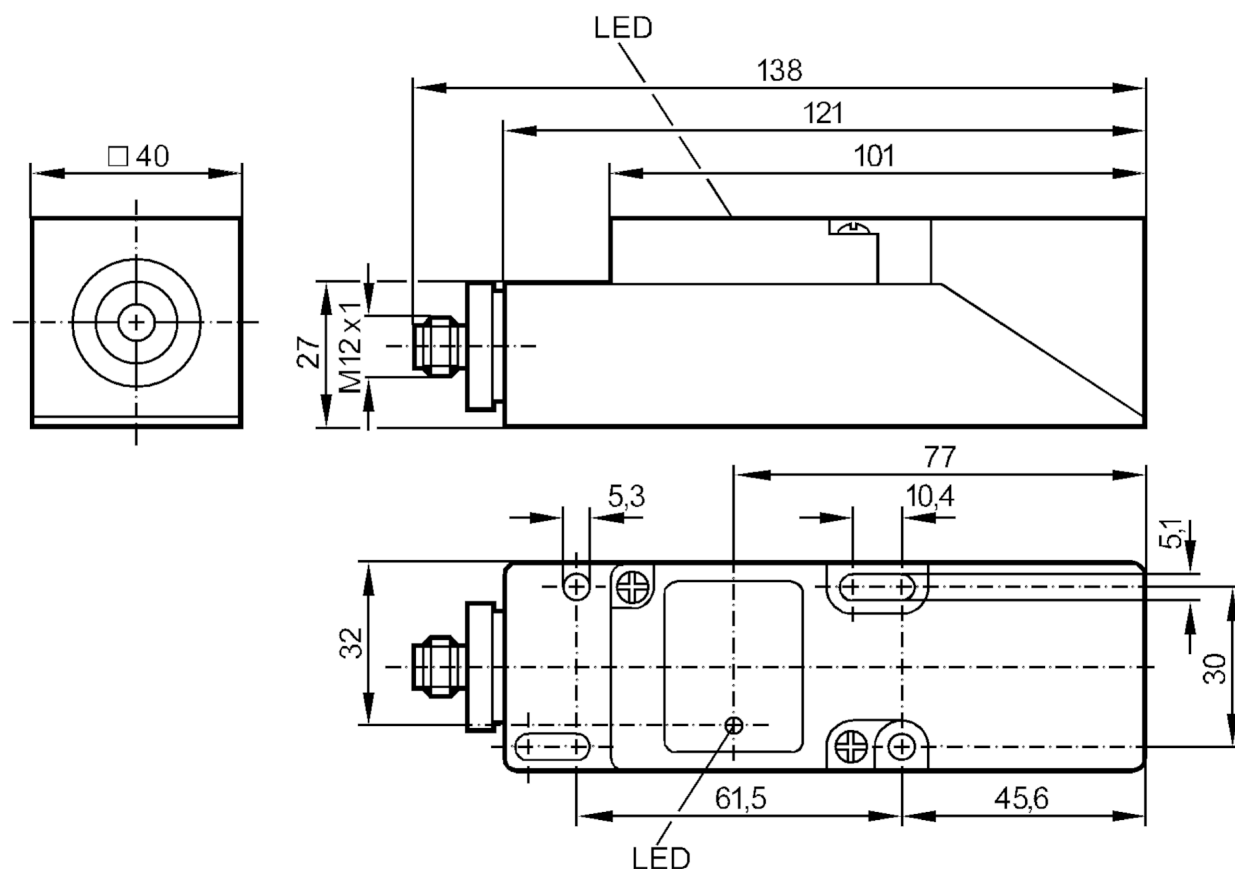
Inductive sensor

IME3020-BPKG/US-100-DPS

Article no longer available - archive entry

Alternative articles: IM5044

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



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	20
Housing	rectangular
Dimensions [mm]	40 x 40 x 120

Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	5; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open

**Inductive sensor**

IME3020-BPKG/US-100-DPS

Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	10
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	

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

Displays / operating elements		
Display	switching status	1 x LED, yellow

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

Electrical connection - plug

Connector: 1 x M12; coding: A





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Connection

