

IM5087



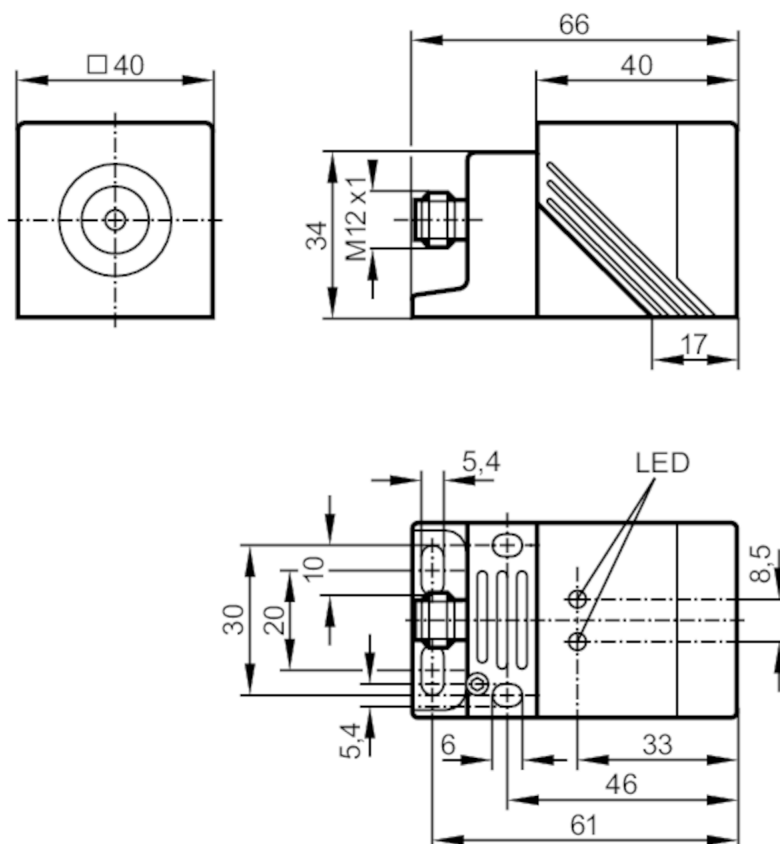
Inductive sensor

IMC4020BCPKG/US-100-DPA

Article no longer available - archive entry

Alternative articles: IM5123

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



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	20
Housing	rectangular
Dimensions [mm]	40 x 40 x 66

Application

System	gold-plated contacts
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Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
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Output function		complementary
Max. voltage drop switching output DC [V]		2.5
Permanent current rating of switching output DC [mA]		250
Switching frequency DC [Hz]		100
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range		
Sensing range [mm]		20
Real sensing range S_r [mm]		$20 \pm 10 \%$
Operating distance [mm]		0...16.2

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.8 / brass: 0.4 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of S_r]		3...15
Switch-point drift [% of S_r]		-10...10

Operating conditions		
Ambient temperature [°C]		-25...70
Protection		IP 67

Tests / approvals		
EMC	EN 60947-5-2	

Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions [mm]		40 x 40 x 66
Material		housing: PPE; sensing face: PPE; end cap: diecast zinc; clamp: diecast zinc

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

Accessories		
Items supplied		Mounting bracket: 1
		Allen key: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



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Connection

