IM5089

Inductive sensor

IMC4035-CPKG/SC/US-100-DPA

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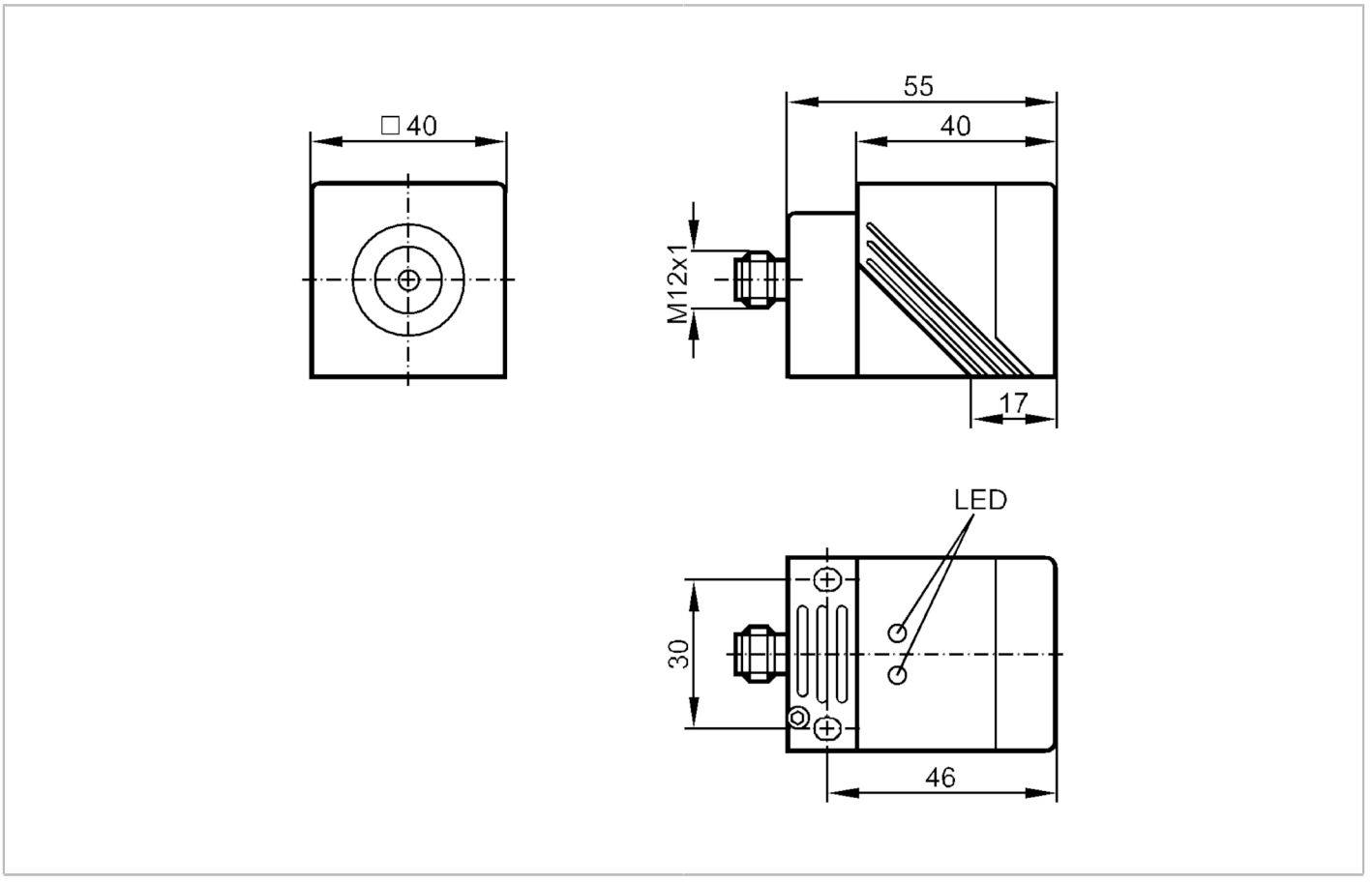
Alternative articles: IM5125 or IM5126
When selecting an alternative article and accessories please note that technical data may differ!



CE

Product characteristics		
Electrical design		PNP
Output function		complementary
Sensing range	[mm]	35
Housing		rectangular
Dimensions	[mm]	40 x 40 x 62
Application		
Special feature		Gold-plated contacts; anti-spatter
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			pulsed
Overload protection			yes
Detection zone			
Sensing range	[mm]		35
Real sensing range Sr	[mm]		35 ± 10 %
Operating distance	[mm]		0...28.3
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...70
Protection			IP 67
Tests / approvals			
EMC		EN 60947-5-2	
Mechanical data			
Housing			rectangular
Mounting			non-flush mountable
Dimensions	[mm]		40 x 40 x 62
Materials			housing: PPE; sensing face: PEI anti-spatter; end cap: diecast zinc; clamp: diecast zinc
Displays / operating elements			
Display		switching status	1 x LED, yellow
		operation	1 x LED, green
Accessories			
Items supplied			Mounting bracket: 1
			Allen key: 1
Remarks			
Remarks			5 positions of the active zone possible
Pack quantity			1 pcs.

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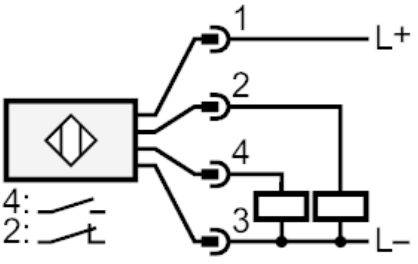
Electrical connection - plug

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

Connection