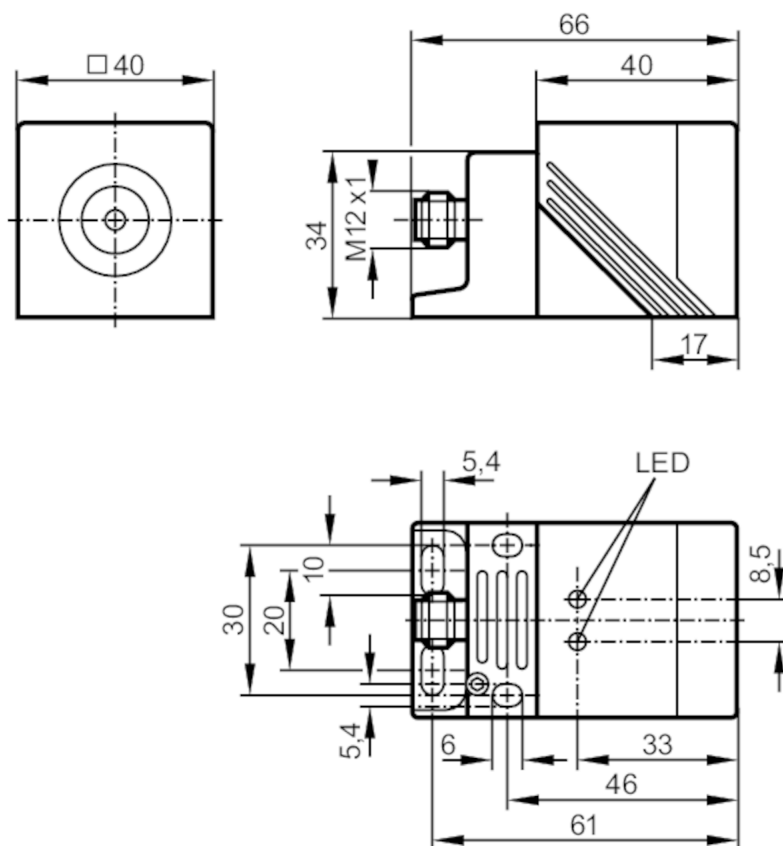




Inductive sensor

IMC3015UBPKG/SC/US-100-DPS

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Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 66

Application

Special feature	Gold-plated contacts; Magnetic-field immune; anti-spatter
Magnetic-field immune	yes

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

**Inductive sensor**

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Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone		
Sensing range	[mm]	15
Real sensing range S_r	[mm]	$15 \pm 10 \%$
Operating distance	[mm]	0...12.1

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of S_r]	1...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
Materials		housing: PBT; 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.

Electrical connection - plug

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



IM5081



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Connection

