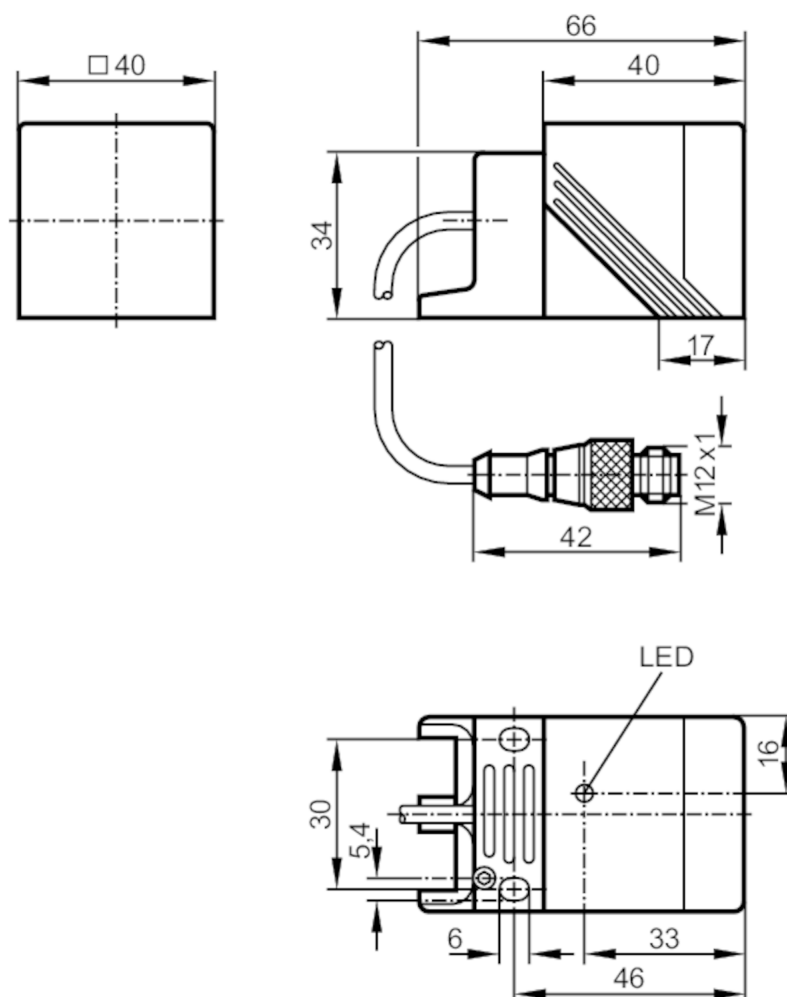


Inductive sensor

IMC2015-ARKG/0,15/PUR/US

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Product characteristics

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

Application

Special feature	Gold-plated contacts
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Electrical data

Operating voltage [V]	10...55 DC
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open

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Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	150
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 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 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	
	EN 55011	class B

Mechanical data

Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 66
Materials		housing: PBT; sensing face: PEI; clamp: PPS

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	Mounting bracket: 1
	Allen key: 1

Remarks

Pack quantity	1 pcs.
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IM9906



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Electrical connection - plug

Cable: 0.15 m, PUR

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



Connection

