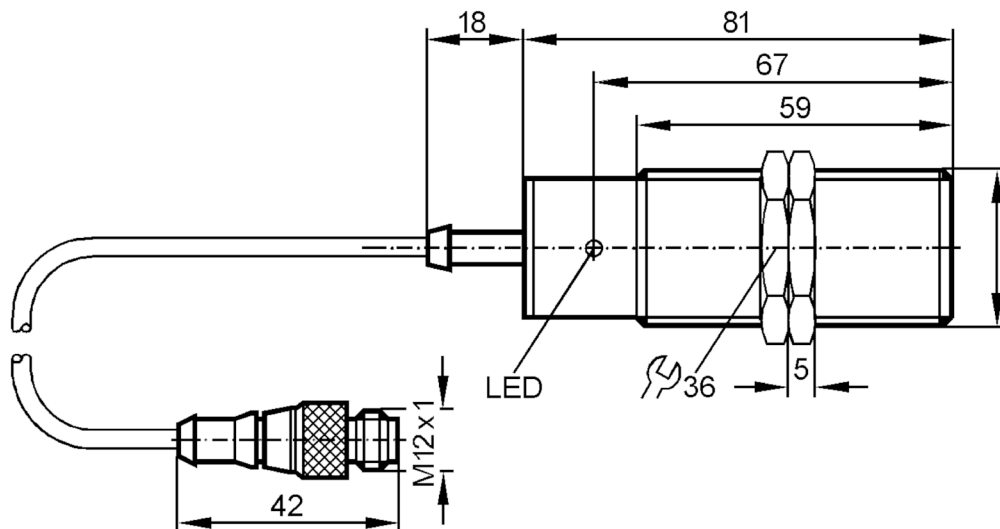


Inductive sensor

IIA2010-FRKG/5M/CONNECTEUR/M12

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Sensing range [mm]	10
Housing	threaded type
Dimensions [mm]	M30 x 1.5

Electrical data

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

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.5
Permanent current rating of switching output DC [mA]	400
Switching frequency DC [Hz]	450
Short-circuit protection	yes
Type of short-circuit protection	pulsed

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Overload protection	yes
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Detection zone

Sensing range	[mm]	10
Real sensing range S_r	[mm]	$10 \pm 10 \%$
Operating distance	[mm]	0...8.1

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Materials		brass nickel-plated; PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 5 m, PUR

Connector: 1 x M12; coding: A





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Connection

