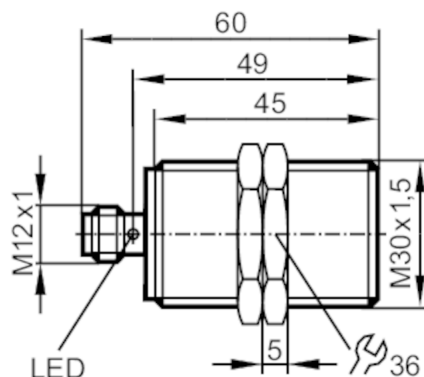


Inductive sensor

IIK3010-BPKG/US-100



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	10
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 60

Application

Special feature	Gold-plated contacts
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Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	100
Short-circuit protection	yes
Overload protection	yes

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: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [X01]	3...15

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Inductive sensor

IIK3010-BPKG/US-100

Switch point drift	[X01]	-10...10
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Operating conditions

Ambient temperature	[°C]	-25...70
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Protection	IP 67
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Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011	class B

MTTF	[ANN]	1134
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Embedded software included	no
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UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	подача напруги	Limited Voltage/Current
	UL Approval no.	A001
	File number UL	E174191

Mechanical data

Weight	[g]	115.3
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Housing	threaded type
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Mounting	flush mountable
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Dimensions	[mm]	M30 x 1.5 / L = 60
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Thread designation	M30 x 1.5
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Materials	housing: brass white bronze coated; sensing face: PBT orange; LED window: PEI; lock nuts: brass white bronze coated
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Displays / operating elements

Display	switching status	1 x LED, yellow
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Аксессуары

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

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



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Connection

