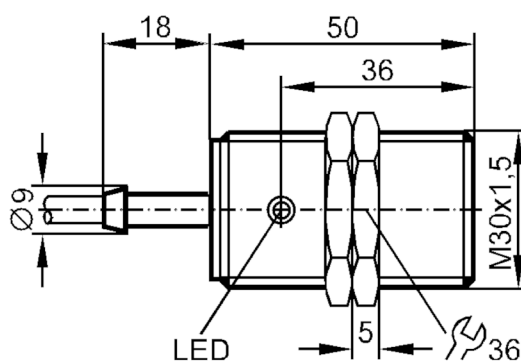


Inductive sensor

IIB2010-AROG/ 3m

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

Application

Special feature	Optical setting aid
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Electrical data

Operating voltage [V]	10...36 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]	5
Minimum load current [mA]	7
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	40
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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Detection zone		
Sensing range	[mm]	10
Real sensing range Sr	[mm]	10 ± 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]	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		flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Materials		brass nickel-plated; sensing face: PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
	setting aid	1 x LED, red
Optical setting aid		yes
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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Electrical connection

Cable: 3 m, PVC; 2 x 0.5 mm²

Connection



BK = Core colours :
WH = black
white