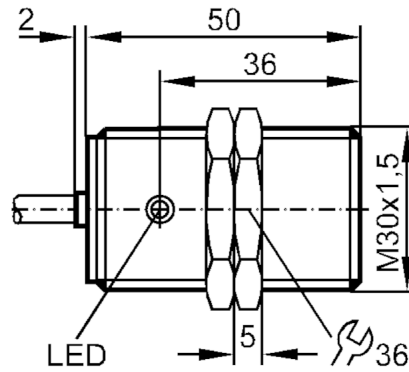




Inductive sensor

IIB2010-ARKG/UP



Product characteristics

Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1,5

Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4,6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0,6
Permanent current rating of switching output DC	[mA]	150
Switching frequency DC	[Hz]	460
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

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Inductive sensor

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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: 0,4 / aluminium: 0,3 / copper: 0,2
Hysteresis	[X01]	3...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
MTTF	[ANN]	2642
Mechanical data		
Weight	[g]	236,5
Housing		threaded type
Mounting		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
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

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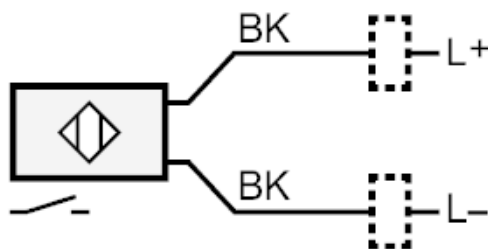
Inductive sensor

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Electrical connection

Cable: 2 m, PVC; 2 x 0,5 mm²

Connection



Core colours :

BK =

black