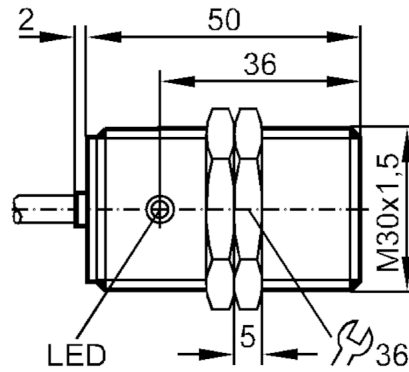




Inductive sensor

IIB2010-ARKG/UP



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

Detection zone

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

II5697



Inductive sensor

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Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	3...15	
Switch point drift [% of Sr]	-10...10	

Operating conditions

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

Tests / approvals

EMC	EN 60947-5-2	class B
	EN 55011	
MTTF [years]	2642	

Mechanical data

Weight [g]	233.2	
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
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Accessories

Accessories (supplied)	lock nuts: 2	
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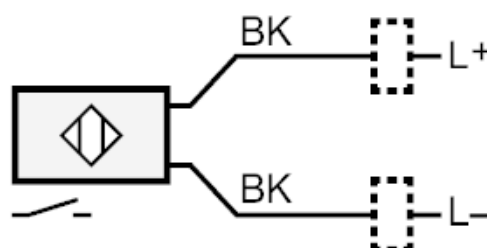
Remarks

Pack quantity	1 pcs.	
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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Core colours :
BK = black