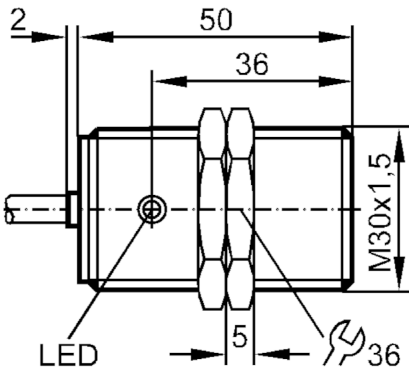




Inductive sensor

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 / L = 52

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	yes (non-latching)
Overload protection	yes

II5697



Inductive sensor

IIB2010-ARKG/UP

Monitoring range		
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 / aluminum: 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	
	EN 55011	class B
MTTF	[years]	2642
Mechanical data		
Weight	[g]	237.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 52
Thread designation		M30 x 1.5
Material		housing: brass nickel-plated; sensing face: PBT
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

II5697



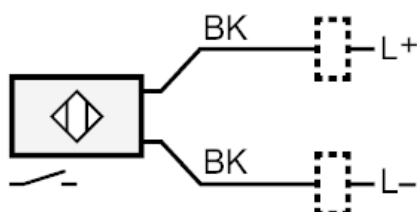
Inductive sensor

IIB2010-ARKG/UP

Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



BK =

Core colors :
black