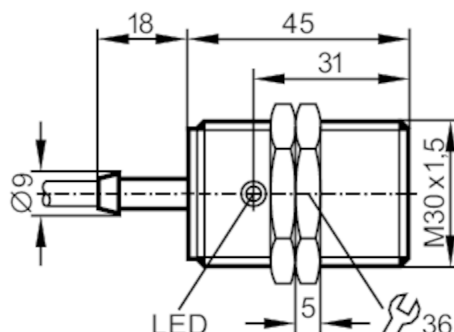


Inductive sensor

IIB3010-APOG/20m

Article no longer available - archive entry



Product characteristics

Electrical design	PNP
Output function	normally closed
Sensing range [mm]	10
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 45

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	10; (24 V)
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP
Output function	normally closed
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	300
Short-circuit protection	no
Overload protection	no

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: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10

Operating conditions

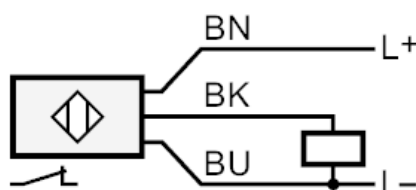
Ambient temperature [°C]	-25...80
Protection	IP 67



Inductive sensor

IIB3010-APOG/20m

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 / L = 45
Thread designation		M30 x 1.5
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 20 m, PVC; 3 x 0.5 mm ²		
Connection		



Core colours :
 BN = brown
 BU = blue
 BK = black