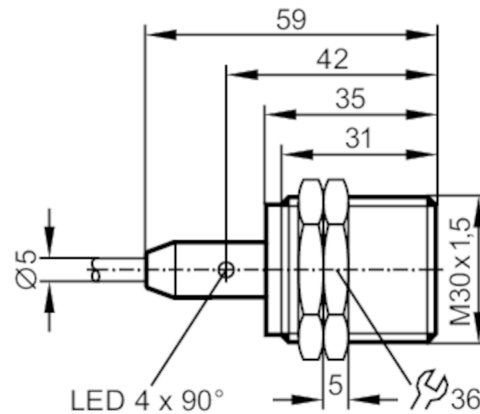




## Inductive sensor

IIB3014BBPKG/M/V4A/10M/WH



### Product characteristics

Electrical design		PNP
Output function		normally open
Sensing range	[mm]	14
Housing		Threaded type
Dimensions	[mm]	M30 x 1.5 / L = 59

### Application

System		Increased sensing range
Application		Use in hygienic areas / regular cleaning processes

### Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	10; (24 V)
Protection class		II
Reverse polarity protection		yes

### Outputs

Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

### Monitoring range

Sensing range	[mm]	14
Real sensing range Sr	[mm]	14 ± 10 %
Operating distance	[mm]	0...11.34

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## Inductive sensor

IIB3014BBPKG/M/V4A/10M/WH

Increased sensing range		yes
<b>Accuracy / deviations</b>		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
<b>Operating conditions</b>		
Ambient temperature	[°C]	0...100
Protection		IP 68; IP 69K
<b>Tests / approvals</b>		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	1590
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	File number UL	E174191
<b>Mechanical data</b>		
Weight	[g]	432
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 59
Thread designation		M30 x 1.5
Material		stainless steel (1.4404 / 316L); sensing face: PEEK
<b>Displays / operating elements</b>		
Display	Switching status	4 x 90° LED, yellow
<b>Accessories</b>		
Items supplied		lock nuts: 2
<b>Remarks</b>		
Pack quantity		1 pcs.

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## Inductive sensor

IIB3014BBPKG/M/V4A/10M/WH

### Electrical connection

Cable: 10 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



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