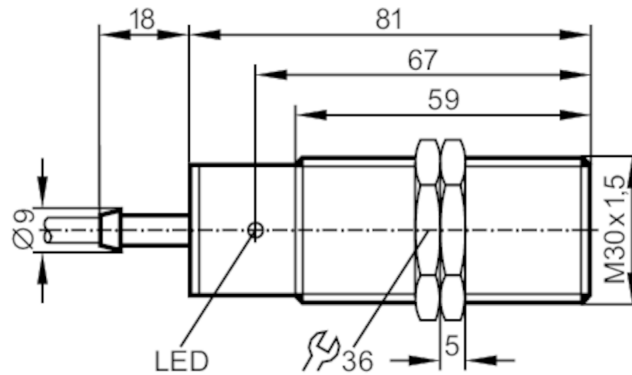




## Inductive sensor

IIA3010-BPKG/ 6mPPU

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Electrical data		
Operating voltage	[V]	10...55 DC
Current consumption	[mA]	5; (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]	250
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
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: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67

# II5498



## Inductive sensor

IIA3010-BPKG/ 6mPPU

Mechanical data	
Housing	threaded type
Mounting	flush mountable
Dimensions [mm]	M30 x 1.5 / L = 81
Thread designation	M30 x 1.5
Materials	brass nickel-plated; PBT

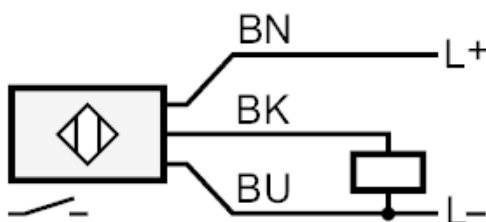
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

**Electrical connection**  
Cable: 6 m, PUR / PVC; highly flexible; 3 x 0.5 mm<sup>2</sup>

### Connection



Core colours :

BN = brown  
BU = blue  
BK = black

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