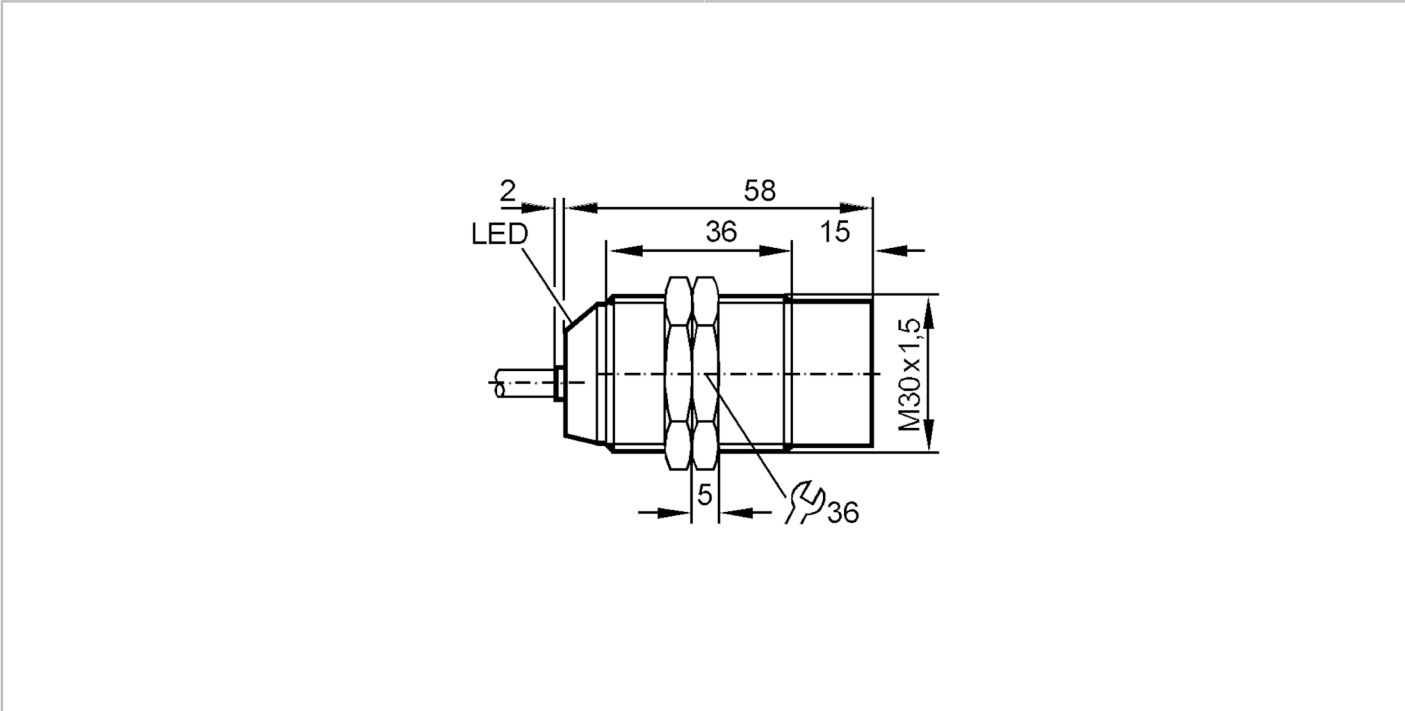




Inductive sensor

IIK3022-BPKG/0,31M RT

Article no longer available - archive entry



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	22
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 15
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]	100
Short-circuit protection		no
Overload protection		yes
Detection zone		
Sensing range	[mm]	22



Inductive sensor

IIK3022-BPKG/0,31M RT

Real sensing range S_r	[mm]	22 ± 10 %
Operating distance	[mm]	0...17.6

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of S_r]	1...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-40...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Materials		brass white bronze coated; PBT

Displays / operating elements

Display	switching status	1 x LED, red
	operation	1 x LED, green

Accessories

Items supplied	lock nuts: 2
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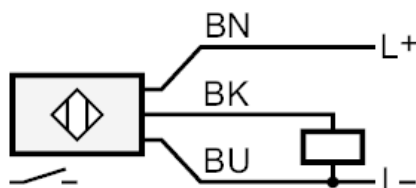
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 0.31 m, PUR; 3 x 0.75 mm²

Connection



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