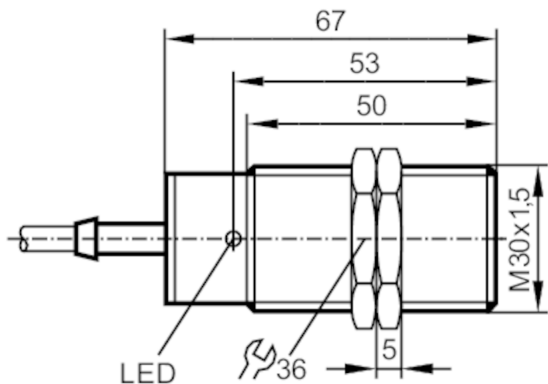




Inductive sensor

IIA4010ZCPKG/BH



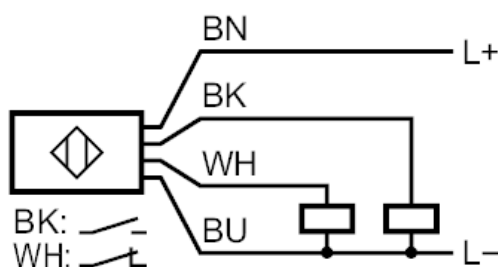
Product characteristics		
Electrical design		PNP
Output function		complementary
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 67
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		complementary
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100; (250 (...80 °C))
Switching frequency DC	[Hz]	400
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



Inductive sensor

IIA4010ZCPKG/BH

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-25...100
Protection			IP 67
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF		[years]	1365
Mechanical data			
Weight		[g]	231.5
Housing			threaded type
Mounting			flush mountable
Dimensions		[mm]	M30 x 1.5 / L = 67
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: 2 m, PUR; 4 x 0.34 mm²			
Connection			



Core colours :

BK = black

BN = brown

BU = blue

WH = white