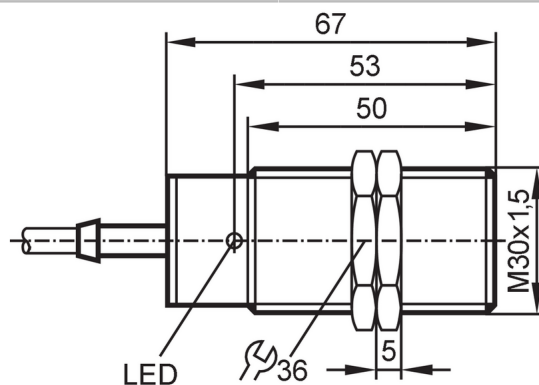




Inductive sensor

IIA4010ZCPKG/6M/BH



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	10
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 67

Application

Special feature	Halogen-free
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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	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 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: 0.4 / copper: 0.3
Hysteresis [% of S_r]	1...15

II5800



Inductive sensor

IIA4010ZCPKG/6M/BH

Switch point drift	[% of Sr]	-10...10
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Operating conditions

Ambient temperature	[°C]	-25...100
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
MTTF	[years]	1365

Mechanical data

Weight	[g]	373
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 67
Thread designation		M30 x 1.5
Materials		housing: brass white bronze coated; sensing face: PBT

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Items supplied	lock nuts: 2
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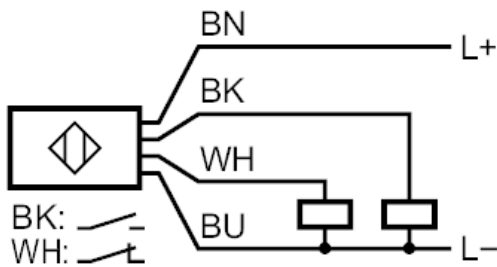
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 6 m, PUR, Halogen-free; 4 x 0.34 mm²

Connection



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