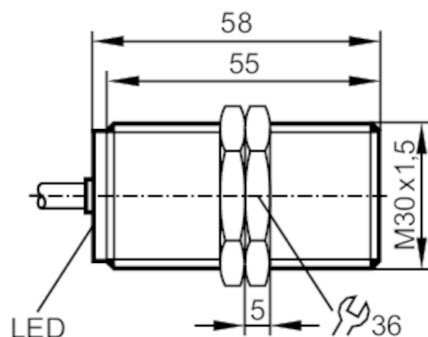




Inductive sensor

IIK3012BBPKG/1,03M/PH/packard



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		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	12
Operating distance	[mm]	0...9.72
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20

Operating conditions

Ambient temperature	[°C]	-40...70
Protection		IP 69K



Inductive sensor

IIK3012BBPKG/1,03M/PH/packard

Tests / approvals

EMC	noise emission and noise interference according to the automotive directive 95/54/EC	
	noise immunity according to DIN ISO 11452-2	120 V/m
	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 61000-4-5 Surge	0,5 mains line to line
	EN 61000-4-6 HF conducted	10 V
	EN 55011 emission	class B
Shock resistance	EN 60068-2-27	150 g 11 ms half-sine; 3 shocks each in every direction along the three coordinate axes at -40 °C and 70 °C

Mechanical data

Weight	[g]	183.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 58
Thread designation		M30 x 1.5
Materials		threaded sleeve: brass white bronze coated; sensing face: PBT; end cap: TPU

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	lock nuts: 2
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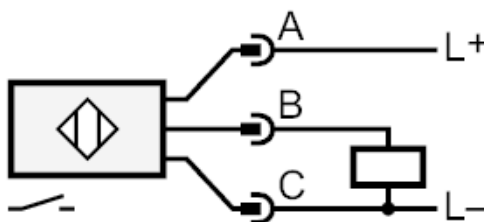
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 1.03 m, PUR, Ø 5.4 mm; 3 x 0.5 mm²

Connection



Connector: 1 x Weather-Pack ((12010717))