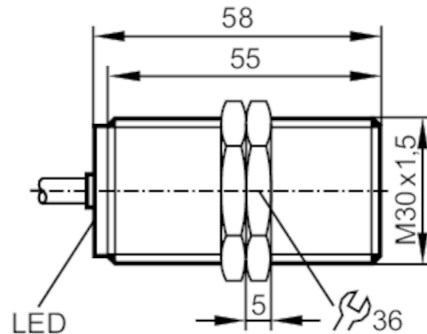




## Inductive sensor

IIK3012BBPKG/2M/PH/packard

Article no longer available - archive entry



### Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	12
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 58

### Application

Special feature	Increased sensing range
-----------------	-------------------------

### 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

# II5966



## Inductive sensor

IIK3012BBPKG/2M/PH/packard

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	
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
Shock resistance	EN 55011 emission	class B
	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]	0.224	
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
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

# II5966



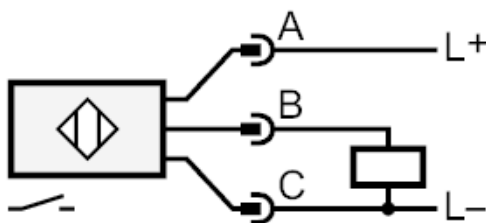
## Inductive sensor

IIK3012BBPKG/2M/PH/packard

### Electrical connection

Cable: 2 m, PUR, Ø 5.4 mm; 3 x 0.5 mm<sup>2</sup>

### Connection



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