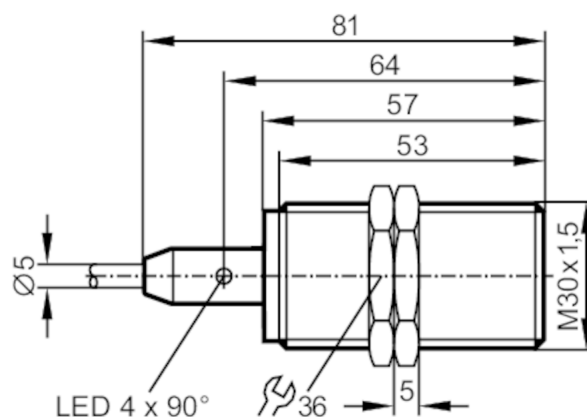


Inductive sensor

IIK3012BANKG/M/0,6M/ZH

Article no longer available - archive entry



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	12
Housing	threaded type
Dimensions [mm]	M30 x 1.5 / L = 81

Application

Special feature	Increased sensing range
Application	Use in mobile and harsh applications

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 10
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Max. leakage current [mA]	0.1
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	100
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	12
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**Inductive sensor**

IIK3012BANKG/M/0,6M/ZH

Operating distance	[mm]	0...9.72
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.45 / copper: 0.4
Hysteresis	[% of Sr]	1...20
Operating conditions		
Ambient temperature	[°C]	-40...85
Protection		IP 67; IP 69K
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m 80...1000 MHz
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	0,5 kV
	EN 61000-4-6 HF conducted	10 V 0,15...80 MHz
	EN 55011	class B
Mechanical data		
Weight	[g]	0.17
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Materials		threaded sleeve: stainless steel; sensing face: PBT orange
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.



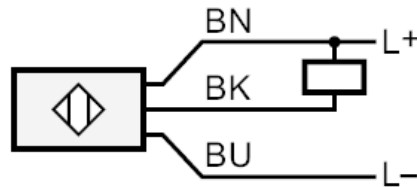
Inductive sensor

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Electrical connection

Cable: 0.6 m, PUR

Connection



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