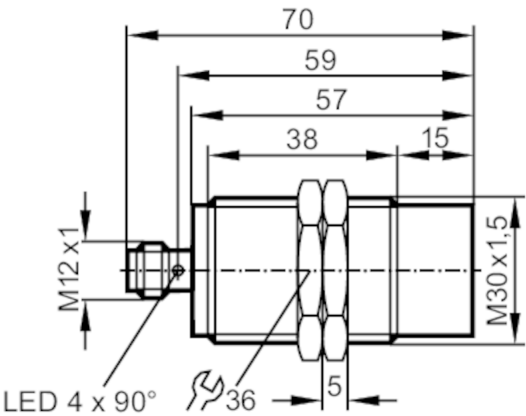




Inductive sensor

IIK3015-BPKG/M/US104-DPS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 70
Application		
Special feature		Gold-plated contacts
Application		Industrial applications / factory automation
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 10
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]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1



Inductive sensor

IHK3015-BPKG/M/US104-DPS

Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.5 / copper: 0.4	
Hysteresis	[% of Sr]	1...20	
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature		[°C]	-25...70
Protection			IP 67
Tests / approvals			
EMC		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 kV
		EN 61000-4-6 HF conducted	10 V
		EN 55011	class B
MTTF		[years]	1709
UL approval		Ta	0...40 °C
		Enclosure type	Type 1
		power supply	Limited Voltage/Current
		File number UL	E174191
Mechanical data			
Weight		[g]	119.6
Housing			threaded type
Mounting			non-flush mountable
Dimensions		[mm]	M30 x 1.5 / L = 70
Thread designation			M30 x 1.5
Materials			stainless steel (1.4404 / 316L); 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.
Electrical connection - plug			
Connector: 1 x M12; coding: A; Contacts: gold-plated			
			



Inductive sensor

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Connection

