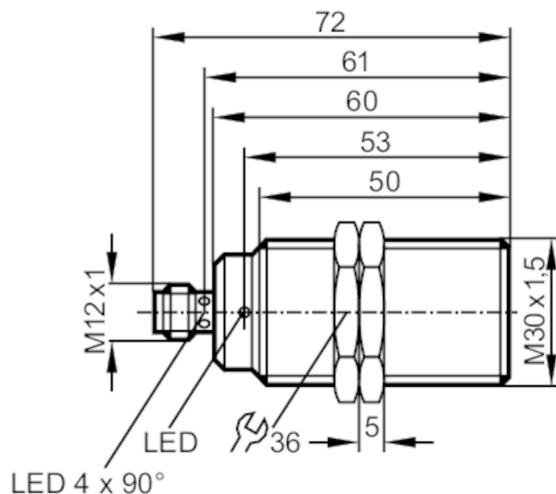




Inductive sensor

IIK2015BFRKG/M/2LED/US-104-IRF



Electrical data

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

Outputs

Electrical design	PNP/NPN
Output function	normally open / normally closed; (selectable)
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	1
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	200
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	15
Operating distance [mm]	0...12.1
Increased sensing range	yes

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.5 / copper: 0.4
Hysteresis [% of Sr]	3...20

Operating conditions

Ambient temperature [°C]	-25...70
Protection	IP 67



Inductive sensor

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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1110
Mechanical data		
Weight	[g]	145.6
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 72
Thread designation		M30 x 1.5
Materials		brass white bronze coated; sensing face: CO-PC
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
	setting aid	1 x LED, red
Optical setting aid		yes
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12		
		
normally open		

