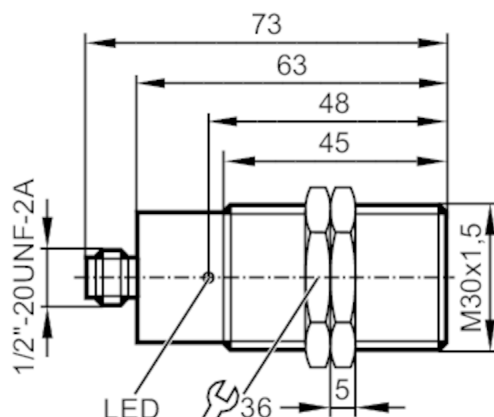


Inductive sensor

IIA2015RARKA/SL/LS-100AK



Product characteristics

Electrical design	series connection possible
Output function	normally open
Sensing range [mm]	15
Housing	threaded type
Dimensions [mm]	M30 x 1.5

Electrical data

Frequency AC [Hz]	47...63
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	yes

Outputs

Electrical design	series connection possible
Output function	normally open
Max. voltage drop switching output DC [V]	5.5
Max. voltage drop switching output AC [V]	5.5
Minimum load current [mA]	4
Max. leakage current [mA]	4
Permanent current rating of switching output AC [mA]	100
Permanent current rating of switching output DC [mA]	100
Short-time current rating of switching output [mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC [Hz]	25
Switching frequency DC [Hz]	25
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



Inductive sensor

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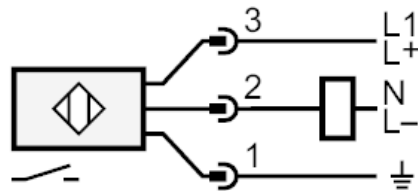
Detection zone		
Sensing range	[mm]	15
Operating distance	[mm]	0...12.1
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[years]	398
Mechanical data		
Weight	[g]	179.5
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5
Thread designation		M30 x 1.5
Materials		brass white bronze coated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

Inductive sensor

IIA2015RARKA/SL/LS-100AK

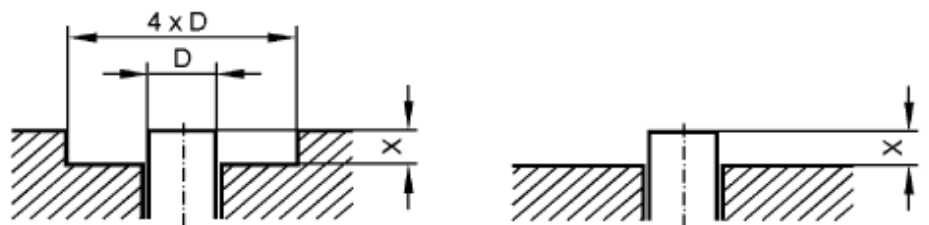
Electrical connection - plug

Connector: 1 x 1/2"; coding: C



Diagrams and graphs

Installation

steel $X \geq 3$ mm non-ferrous metal and stainless steel $X = 0$