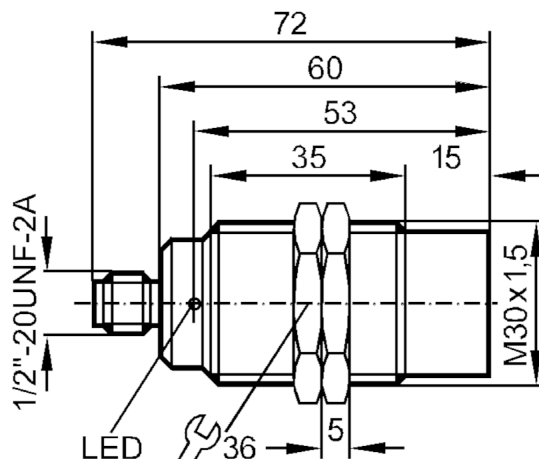


Inductive sensor

IIK2022-ABOA/SL/LS-100-AK



Product characteristics

Output function		normally open
Sensing range	[mm]	22
Housing		threaded type
Dimensions	[mm]	M30 x 1.5

Electrical data

Operating voltage	[V]	20...250 AC/DC
Protection class		I
Reverse polarity protection		no

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1 (250 V AC) / 0.8 (140 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	70



Inductive sensor

IIK2022-ABOA/SL/LS-100-AK

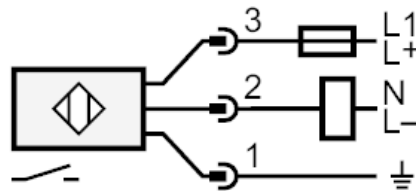
Short-circuit proof	no
Overload protection	no
Detection zone	
Sensing range [mm]	22
Real sensing range Sr [mm]	22 ± 10 %
Operating distance [mm]	0...17.6
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.48 / copper: 0.4
Hysteresis [% of Sr]	3...20
Switch point drift [% of Sr]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...70
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011 class B
MTTF [years]	606
Mechanical data	
Weight [g]	217.5
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M30 x 1.5
Thread designation	M30 x 1.5
Materials	brass white bronze coated; sensing face: PBT; LED window: PA
Displays / operating elements	
Display	switching status 1 x LED, red
Electrical connection	
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Accessories	
Items supplied	lock nuts: 2
Remarks	
Remarks	Recommendation: Check the safe functioning of the unit after a short circuit.
Pack quantity	1 pcs.

Inductive sensor

IIK2022-ABOA/SL/LS-100-AK

Electrical connection - plug

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



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting