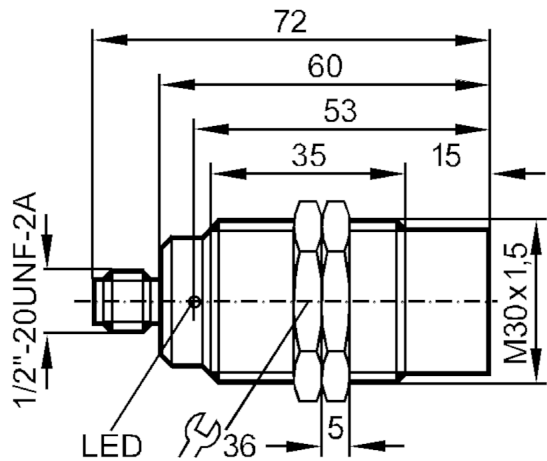




Inductive sensor

I1K2022-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

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Inductive sensor

IIK2022-ABOA/SL/LS-100-AK

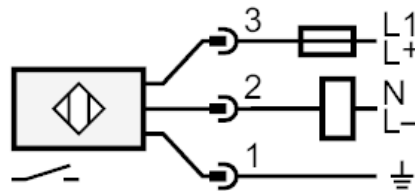
Short-circuit proof	no	
Overload protection	no	
Monitoring range		
Sensing range	[mm]	22
Real sensing range Sr	[mm]	22 ± 10 %
Operating distance	[mm]	0...17.6
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.48 / copper: 0.4	
Hysteresis	[% of Sr]	3...20
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	
Material	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 unit for reliable function 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