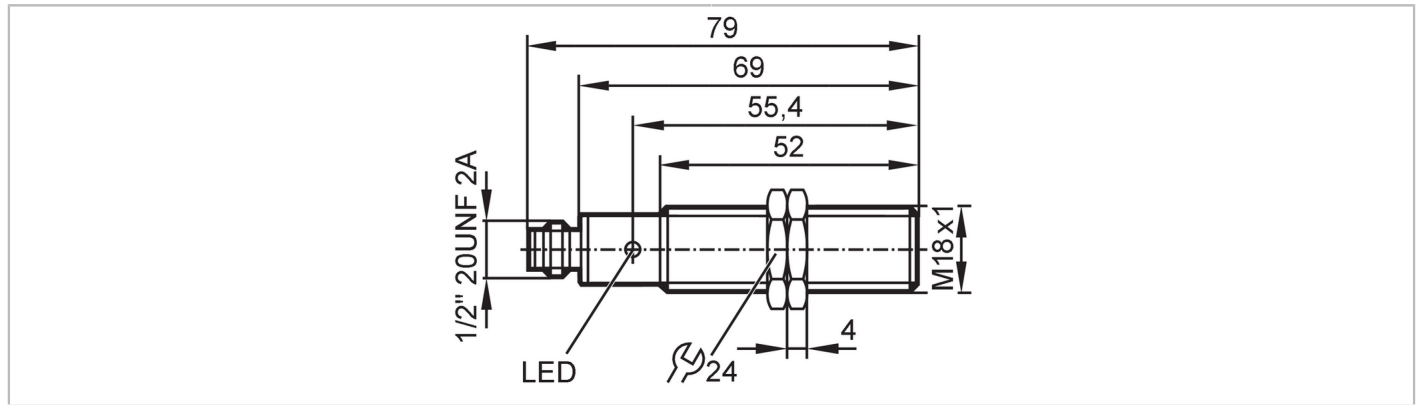


IG0337



Inductive sensor

IGA2005-ABOA/SL/LS-100AK/RT



Product characteristics	
Output function	normally open
Sensing range [mm]	5
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 79
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]	2.5 (250 V AC) / 1.3 (110 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]	100
Short-circuit protection	no
Overload protection	no
Monitoring range	
Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2

IG0337



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Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	609
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	File number UL	E174191
CSA approval	Ta	-25...80 °C
	Classification	Class I; Div. 2; Groups A, B, C, D; T4
		Class II; Div. 2; Groups F, G; T135 °C
		Class III
Mechanical data		
Weight	[g]	68.2
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 79
Thread designation		M18 x 1
Material		sensing face: PBT white; housing: brass white bronze coated; LED window: PBT white
Tightening torque	[Nm]	A = 4 mm: 13 Nm; B: 25 Nm
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.

IG0337

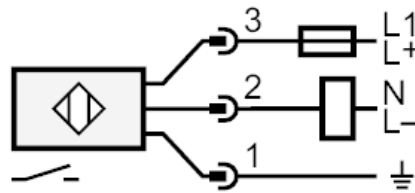


Inductive sensor

IGA2005-ABOA/SL/LS-100AK/RT

Electrical connection - plug

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



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

Diagrams and graphs

Installation

