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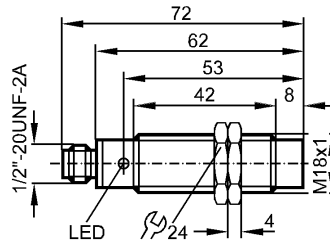
**efectorio**

IG0376



IGK2012-ABOA/SC/SL/LS-100AK RT

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M18 x 1
Quick disconnect
Increased sensing range
Sensing range 12 mm; [nf] non-flush mountable

Electrical data

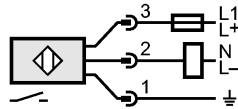
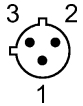
Electrical design	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no
Outputs	
Output function	normally open
Voltage drop [V]	< 6.5 AC / < 6 DC
Minimum load current [mA]	5
Leakage current [mA]	< 1 (250 V AC) / < 0.8 (140 V AC) / < 0.8 (24 V DC)
<b>Current rating</b>	
- Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	$\hat{i}$ : 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	450
Monitoring range	
Sensing range [mm]	12
Operating distance [mm]	0...9.7
Accuracy / deviations	
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.5 / Cu approx. 0.4
Hysteresis [% of Sr]	3...15
Environment	
Ambient temperature [°C]	-25...70
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	616

# IG0376 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Mechanical data

Mounting	non-flush mountable
Housing materials	brass safe-coated; PA; PC (polycarbonate)
Weight [kg]	0.066
Displays / operating elements	
Output status indication LED	red
Electrical connection	
Connection	1/2" connector

## Wiring



Note: miniature fuse to IEC60127-2 sheet 1,  
 $\leq 2$  A (fast acting)

Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1

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