

Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Increased sensing range

Sensing range 12 mm; [nfl] 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)

**Current rating**

- 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]

25 AC / 90 DC

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

Mechanical data

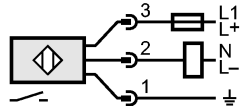
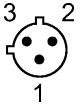
Mounting

non-flush mountable

# IG0345 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials	brass white bronze coated; PA; PBT
Weight [kg]	0.064
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