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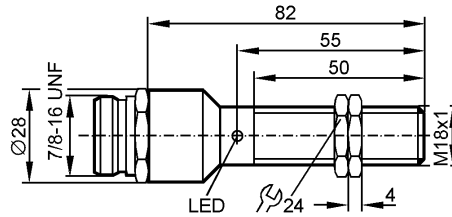
efector100

IG0302



IGA2004-ABOA/SL/LS300BL/ACI/RT

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

aluminum chip immune

Sensing range 4 mm; [f] flush mountable

Electrical data

Electrical design

AC/DC

Operating voltage [V]

20...250 AC/DC (47...63 Hz AC)

Protection class

I

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 6.5

Minimum load current [mA]

5

Leakage current [mA]

< 2.5 (250 V AC) / < 1.3 (110 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]

î: 2.2 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25 AC / 50 DC

Monitoring range

Sensing range [mm]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

10...60

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

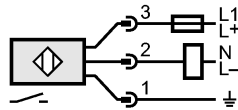
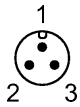
EN 55011:

class B

IG0302 - Inductive sensor - eclass: 27270101 / 27-27-01-01

MTTF	[Years]	595
Mechanical data		
Mounting		flush mountable
Housing materials		brass white bronze coated; PBT
Weight	[kg]	0.155
Displays / operating elements		
Output status indication	LED	red
Electrical connection		
Connection		7/8" connector

Wiring



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 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