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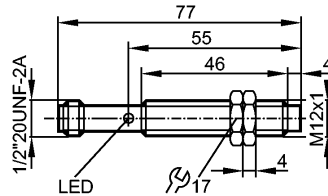
efectorio

IF0297



IFA2004-ABOW/SLV4A/LS-100AKRT

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Quick disconnect

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

AC

Operating voltage [V]

20...140 AC (47...63 Hz)

Protection class

I

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 8.5

Minimum load current [mA]

8

Leakage current [mA]

< 2.5

Current rating

- Current rating (continuous) [mA]

200; 250 (...50 °C)

- Current rating (peak) [mA]

î: 0.9 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25

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. 0.4 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

932

Mechanical data

Mounting

non-flush mountable

Housing materials

high-grade stainless steel; PBT

Weight [kg]

0.034

Displays / operating elements

Output status indication LED

yellow

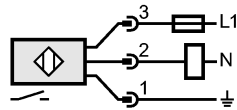
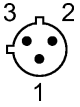
IF0297 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

1/2" 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

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