

1: threaded insert M3, depth 5.8 mm, max. tightening torque 1.2 Nm (screw fixing class 8.8) when brass insert in contact with counterpart.

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

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

Electrical data

Electrical design

Operating voltage [V]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

Mechanical data

Mounting

Housing materials

Displays / operating elements

Output status indication LED

Electrical connection

AC/DC

20...250 AC/DC

II

no

normally open

< 6.7 AC / < 6 DC

4

< 2.0 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

250 AC / 100 DC; 350 AC (...50 °C)

î: 2.1 A (50 ms / 1 Hz)

no

no

25 AC / 50 DC

4

4 ± 10 %

0...3.25

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

1...15

-10...10

-20...80

IP 67

EN 60947-5-2

EN 55011:

class B

non-flush mountable

PBT

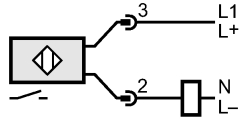
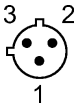
red

IN3500 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection

PVC cable / 0.3 m; 2 x 0.5 mm²; with Micro DC connector

Wiring



Remarks

Pack quantity

[piece]

1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — IN3500 — 28.08.2006