

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 40 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

AC/DC

20...250 AC/DC

Protection class

II

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]

< 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 protection

no

Overload protection

no

Switching frequency [Hz]

10

Monitoring range

Sensing range [mm]

40, adjustable

Real sensing range (Sr) [mm]

40 ± 10 %

Operating distance [mm]

0...32.4

Accuracy / deviations

Correction factors

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

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

non-flush mountable

Housing materials

PPE

Displays / operating elements

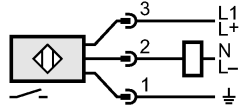
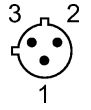
IC3501 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | red

Electrical connection

Connection | 1/2" connector

Wiring



Accessories

Accessories (included) | screwdriver

Remarks

Pack quantity [piece] | 1