



Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 15 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Current rating [mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

200

Monitoring range

Sensing range [mm]

15

Real sensing range (Sr) [mm]

15 ± 10 %

Operating distance [mm]

0...12.1

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 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1835

Mechanical data

Mounting

non-flush mountable

Housing materials

brass nickel-plated; PBT

Weight [kg]

0.254

Displays / operating elements

Output status indication LED

red

Electrical connection

Connection

PUR / PVC cable / 2 m; 2 x 0.5 mm²

II5738 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring

Core colors

BK black

WH white



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1