



Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.5

Current rating [mA]

400

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

450

Monitoring range

Sensing range [mm]

10

Real sensing range (Sr) [mm]

10 ± 10 %

Operating distance [mm]

0...8.1

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]

1699

Mechanical data

Mounting

flush mountable

Housing materials

brass nickel-plated; active face: PBT

Weight [kg]

0.509

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

PUR / PVC cable / 10 m; 2 x 0.5 mm²

II5687 - 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