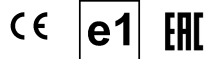


1: threaded insert M3, depth 5.8 mm, max. tightening torque 1.2 Nm (screw fixing class 8.8) when brass insert in contact with counterpart.



Product characteristics

Inductive sensor

Rectangular, plastics

Cable

with reverse polarity protection

e1 type approval

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

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Protection class

II

Outputs

Output function

normally closed

Voltage drop [V]

< 4

Minimum load current [mA]

5

Leakage current [mA]

< 1

Current rating

- Current rating (peak) [mA]

2000 *)

Switching frequency [Hz]

70

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

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

MTTF

[Years]

418

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Weight [kg]

0.143

Displays / operating elements

Output status indication

LED

yellow

Electrical connection

IN5282 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection

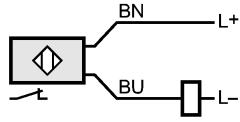
PUR cable / 3 m; 2 x 0.5 mm²; halogen-free

Wiring

Core colors

BN brown

BU blue



Remarks

Remarks

*) Only for mounting on a solid metal plate or cooling plate of 150 x 50 x 2 mm and an intermittent operation with a max. switch-on time of the load current of 4 s and a min. switch-off time of the load current of 2 s.

Pack quantity

[piece]

1