

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 15

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

complementary

Voltage drop [V]

< 2.5

Current rating [mA]

100; 250 (...80 °C)

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

400

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 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...100

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

1365

Mechanical data

Mounting

flush mountable

Housing materials

Brass white bronze coated; PBT

Weight [kg]

0.371

Displays / operating elements

Output status indication LED

yellow

Electrical connection

# II5800 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Connection | PUR cable / 6 m; 4 x 0.34 mm<sup>2</sup>; halogen-free

## Wiring

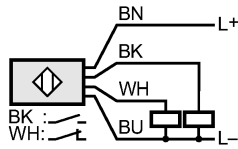
Core colours

BK black

BN brown

BU blue

WH white



Accessories

Accessories (included) | 2 lock nuts

Remarks

Pack quantity [piece] | 1