

Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 1

Current rating [mA]

200

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

800

Range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / 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...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

5515

Mechanical data

Mounting

flush mountable

Housing materials

Brass white bronze coated; LCP

Weight [kg]

0.05

Displays / operating elements

Output status indication LED

yellow

Electrical connection

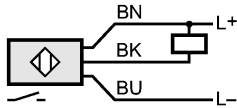
Connection

PUR cable / 2 m; 3 x 0.14 mm²

Wiring

IE5313 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colours
BN brown
BU blue
BK black



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1