

Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable

Sensing range 2 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 15

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

2000

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]

2826

Mechanical data

Mounting

non-flush mountable

Housing materials

high-grade stainless steel; LCP

Weight [kg]

0.14

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

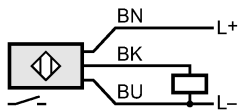
PVC cable / 6 m; 3 x 0.14 mm²

Wiring

IE5302 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colours

BK black
BN brown
BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1