

Product characteristics

Inductive sensor

Metal thread M8 x 1

Cable with connector

Sensing range 1 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

10 (24 V)

Protection class

II

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]

750; (1000 nb)

Monitoring range

Sensing range [mm]

1

Real sensing range (Sr) [mm]

1 ± 10 %

Operating distance [mm]

0...0.8

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Mechanical data

Mounting

flush mountable

Housing materials

brass nickel-plated; PBT

Displays / operating elements

Output status indication LED

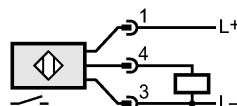
yellow

Electrical connection

Connection

PUR cable / 0.1 m; highly flexible, with M12 connector

Wiring



Accessories

Accessories (included)

2 lock nuts

IE8505 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Remarks

Pack quantity [piece] 1