

Product characteristics

Inductive sensor

Metal thread M8 x 1

Quick disconnect

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC; cULus - Class 2 source required

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 1.6

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

800

Monitoring 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 / 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...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

3491

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; LCP

Weight [kg]

0.025

Displays / operating elements

Output status indication LED

yellow (4 x 90°)

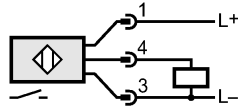
Electrical connection

Connection

M12 connector

**Wiring**

**IE5318 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1