

1: sensing face

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 5.5 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

2 x normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Sensing range [mm]

5.5

Real sensing range (Sr) [mm]

5.5 ± 10 %

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]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

1326

Mechanical data

Mounting

non-flush mountable

Housing materials

ABS

Weight [kg]

0.175

Displays / operating elements

Output status indication

LED

2 x red

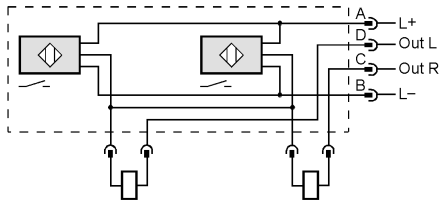
Electrical connection

Connection

Quick disconnect; Metalok Bantam UTG010-4P

I95013 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring



Remarks

Pack quantity

[piece]

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