

Product characteristics

Inductive sensor

Plastic housing Ø 20 mm

Connector

Sensing range 10 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

Electrical connection

Connection

**Wiring**

DC PNP

10...36 DC

15 (24 V)

III

yes

normally open

< 2.5

250

pulsed

yes

300

10

10 ± 10 %

0...8.1

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

3...15

-10...10

-25...80

IP 65

EN 60947-5-2

EN 55011:

class B

1147

non-flush mountable

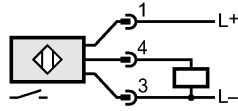
PBT; LED window: PC

0.083

yellow

M12 connector

**IA5106 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

Mounting clamp

Remarks

Pack quantity

[piece]

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