

Product characteristics

Inductive sensor

Plastic housing Ø 20 mm

Connector

Sensing range 10 mm; [f] 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

Mechanical data

Mounting

Housing materials

Weight

DC PNP

10...36 DC

15 (24 V)

II

yes

Normally closed

< 2.5

250

pulsed

yes

300

10

10 ± 10 %

0...8.1

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

1...15

-10...10

-25...80

IP 65

EN 61000-4-2 ESD:

- CD / 8 kV AD

EN 61000-4-3 HF radiated:

3 V

EN 61000-4-4 Burst:

2 kV

EN 61000-4-5 Surge:

0.5 kV (line to line, Ri: 20hm)

EN 61000-4-6 HF conducted:

3 V

EN 55011:

class B

1076

flush mountable

PBT; LED window: PC

0.098

# IA5136 - Inductive sensor - eclass: 27270101 / 27-27-01-01

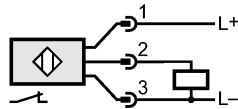
Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | M12 connector

## Wiring



Accessories

Accessories (included) | Mounting clamp

Remarks

Pack quantity [piece] | 1