

Product characteristics

Inductive sensor

Rectangular, plastics

Connector

Sensing range 4 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]

DC PNP

10...36 DC

15 (36 V)

II

yes

normally open

< 2.5

250

pulsed

yes

1300

4

4 ± 10 %

0...3.25

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 67

EN 60947-5-2

EN 55011:

class B

1928

non-flush mountable

housing: PBT; connector housing: stainless steel (303S22)

0.054

IN5280 - Inductive sensor - eclass: 27270101 / 27-27-01-01

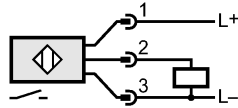
Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | M12 connector

Wiring



Remarks

Pack quantity [piece] | 1

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