

Product characteristics

Inductive sensor

Rectangular, plastics

Terminals

Sensing range 60 mm; adjustable; [nf] non-flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

4

Monitoring range

Sensing range [mm]

60, adjustable

Real sensing range (Sr) [mm]

60 ± 10 %

Operating distance [mm]

0...48.6

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

997

Mechanical data

Mounting

non-flush mountable

Housing materials

modified PPO

Weight [kg]

0.428

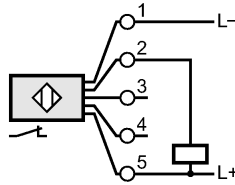
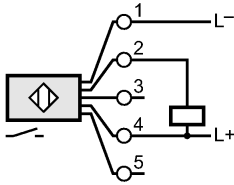
Displays / operating elements

ID5023 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | yellow

Electrical connection
Connection | terminals up to 2.5 mm²; cable diameter 7...13 mm, cable gland M20 x 1.5

Wiring



Accessories

Accessories (included) | screwdriver

Remarks

Pack quantity [piece] | 1