

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 20 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...55 DC

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 1

Current rating [mA]

400

Short-circuit protection

yes

Overload protection

yes

Switching frequency [Hz]

300

Monitoring range

Sensing range [mm]

20

Real sensing range (Sr) [mm]

20 ± 10 %

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]

3...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

Mechanical data

Mounting

non-flush mountable

Housing materials

PPO (Noryl)

Displays / operating elements

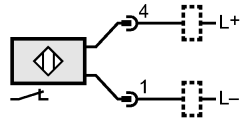
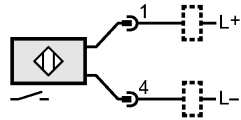
IM8501 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication LED | yellow

Electrical connection

Connection | M12 connector

Wiring



Remarks

Pack quantity [piece] | 1