

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Weld field immune

Correction factor = 1

Sensing range 20 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

20 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

complementary

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

200

Monitoring range

Sensing range [mm]

20

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 1.1 / brass approx. 1.1 / aluminium approx. 1.1 / Cu approx. 1.1

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

945

Mechanical data

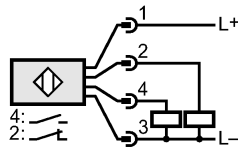
Mounting

flush mountable

IM5084 - Inductive sensor - eclass: 27270101 / 27-27-01-01

| | | |
|-------------------------------|---|--------|
| Housing materials | connector housing: brass nickel-plated; bracket: diecast zinc; end cap: diecast zinc; housing: PPE; cover: PPE PTFE-coated | |
| Weight [kg] | 0.24 | |
| Displays / operating elements | | |
| Output status indication | LED | yellow |
| Power | LED | green |
| Electrical connection | | |
| Connection | M12 connector | |

Wiring



| | | |
|------------------------|------------------------------|--|
| Accessories | | |
| Accessories (included) | Mounting bracket; hex-wrench | |
| Remarks | | |
| Pack quantity [piece] | 1 | |