

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Increased sensing range

Sensing range 35 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

AC/DC

20...140 AC / 10...140 DC (47...63 Hz AC)

Protection class

I

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 5.5

Minimum load current [mA]

5.5

Leakage current [mA]

< 1.7 (140 V AC/DC)

Current rating

- Current rating (continuous) [mA]

350

- Current rating (peak) [mA]

\hat{i} : 2.2 A (20 ms / 0.5 Hz)

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

25 AC / 100 DC

Monitoring range

Sensing range [mm]

35

Operating distance [mm]

0...28.3

Accuracy / deviations

Correction factors

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

Hysteresis [% of Sr]

3...15

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

353

Mechanical data

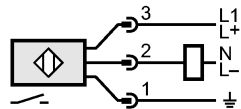
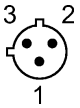
Mounting

non-flush mountable

IM0041 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials		PPE; connector housing: brass; bracket: diecast zinc
Weight	[kg]	0.253
Displays / operating elements		
Output status indication	LED	red
Power	LED	green
Electrical connection		
Connection		1/2" connector

Wiring



Remarks		
Remarks		5 positions of the active zone possible
Pack quantity	[piece]	1