

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 20 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

Current rating

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Monitoring 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

AC/DC

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

I

yes

normally open

< 5.5

5.5

< 1.7 (140 V AC/DC)

450

î: 2.2 A (20 ms / 0.5 Hz)

yes (non-latching)

yes

25 AC / 100 DC

20

20 ± 10 %

0...16.2

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

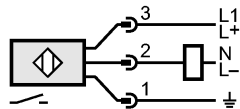
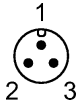
3...20

-10...10

IM0056 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC		EN 60947-5-2
MTTF	[Years]	351
Mechanical data		
Mounting		flush mountable
Housing materials		housing: PPE; active face: PPE; end cap: diecast zinc; connector housing: brass white bronze coated; bracket: diecast zinc
Weight	[kg]	0.27
Displays / operating elements		
Output status indication	LED	red
Power	LED	green
Function display	LED	green and red flashing alternately (short-circuit)
Electrical connection		
Connection		7/8" connector

Wiring



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