

Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 20 mm; [nf] non-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

Ambient temperature [°C]

Protection

Tests / approvals

AC/DC

20...250 AC/DC (47...63 Hz AC)

II

no

normally open / closed programmable

< 6.5 AC / < 6 DC

5

< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

250 AC / 100 DC; 350 AC (...50 °C)

î: 2.2 A (20 ms / 0.5 Hz)

no

no

20 AC / 55 DC

20

20 ± 10 %

0...16.2

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

1...15

-10...10

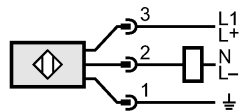
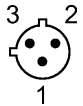
-25...80

IP 65

IM3504 - Inductive sensor - eclass: 27270101 / 27-27-01-01

EMC	EN 60947-5-2 EN 55011: class B
Mechanical data	
Mounting	non-flush mountable
Housing materials	PPE
Displays / operating elements	
Output status indication LED	red
Electrical connection	
Connection	1/2" connector

Wiring



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