

Product characteristics

Inductive sensor

Metal thread M12 x 1

Quick disconnect

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

AC

Operating voltage [V]

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

Protection class

I

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 8.5

Minimum load current [mA]

8

Leakage current [mA]

< 1.7

Current rating

- Current rating (continuous) [mA]

200; 250 (...50 °C)

- Current rating (peak) [mA]

î: 0.9 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011: class B

MTTF [Years]

932

Mechanical data

Mounting

flush mountable

Housing materials

brass nickel-plated; PBT white

Weight [kg]

0.035

Displays / operating elements

Output status indication LED

red

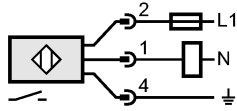
Electrical connection

Connection

M12 connector; 2 x 0.5 mm²

Wiring

IF0299 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)

Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1