

Product characteristics

Inductive sensor

Metal thread M12 x 1

Connector

Sensing range 2 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 proof

Overload protection

Switching frequency [Hz]

Range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication LED

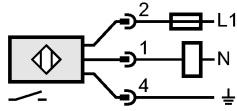
Electrical connection

Connection

Wiring

| | |
|--|---|
| | AC |
| | 20...250 AC (47...63 Hz) |
| | I |
| | no |
| | normally open |
| | < 8.5 |
| | 8 |
| | < 1.7 |
| | |
| | 200; 250 (...50 °C) |
| | î: 0.9 A (20 ms / 0.5 Hz) |
| | no |
| | no |
| | 25 |
| | |
| | 2 |
| | 2 ± 10 % |
| | 0...1.6 |
| | |
| | 1...15 |
| | -10...10 |
| | |
| | -25...80 |
| | IP 67 |
| | |
| | EN 60947-5-2 |
| | EN 55011: class B |
| | 932 |
| | |
| | flush mountable |
| | Brass nickel-plated; PC (polycarbonate) |
| | 0.035 |
| | |
| | Red |
| | |
| | M12 connector; 2 x 0.5 mm ² |

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 |