

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 4 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 proof

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

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

Displays / operating elements

Output status indication

	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	II
Reverse polarity protection	yes
Output function	2 x normally open
Voltage drop [V]	< 6.5
Minimum load current [mA]	5
Leakage current [mA]	< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)
- Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	\hat{i} : 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 50 DC
Sensing range [mm]	4
Real sensing range (Sr) [mm]	4 ± 10 %
Operating distance [mm]	0...3.25
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10
Ambient temperature [°C]	-25...80
Protection	IP 67
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	303
Mounting	non-flush mountable
Housing materials	PBT
Weight [kg]	0.15
Output status indication	2 x yellow

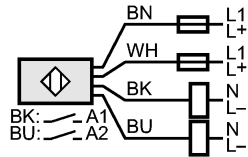
IN0110 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

PVC cable / 2 m; 4 x 0.34 mm²

Wiring



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

Remarks

Remarks

Recommendation: check the unit for reliable function after a short circuit.

Pack quantity

[piece]

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