

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Quick disconnect

Sensing range 22 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]

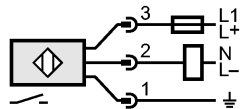
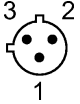
Mechanical data

	AC/DC
Operating voltage [V]	20...250 AC/DC
Protection class	I
Reverse polarity protection	no
Output function	normally open
Voltage drop [V]	< 6.5 AC / < 6 DC
Minimum load current [mA]	5
Leakage current [mA]	< 1 (250 V AC) / < 0.8 (140 V AC) / < 0.8 (24 V DC)
- Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
- Current rating (peak) [mA]	î: 2.2 A (20 ms / 0.5 Hz)
Short-circuit proof	no
Overload protection	no
Switching frequency [Hz]	25 AC / 70 DC
Sensing range [mm]	22
Real sensing range (Sr) [mm]	22 ± 10 %
Operating distance [mm]	0...17.6
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.48 / Cu approx. 0.4
Hysteresis [% of Sr]	3...20
Switch-point drift [% of Sr]	-10...10
Ambient temperature [°C]	-25...70
Protection	IP 67
EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	606

II0341 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Mounting	non-flush mountable
Housing materials	brass white bronze coated; active face: PBT; connector housing: polyamide
Weight [kg]	0.216
Displays / operating elements	
Output status indication LED	red
Electrical connection	
Connection	1/2" connector

Wiring



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