

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

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

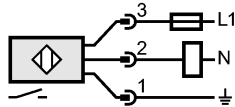
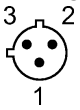
EMC

	AC
	20...250 AC (47...63 Hz)
	I
	no
	normally open
	< 8.5
	8
	< 2
	200; 250 (...50 °C)
	î: 0.9 A (20 ms / 0.5 Hz)
	no
	no
	25
	2
	2 ± 10 %
	0...1.6
	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.4 / Cu approx. 0.3
	3...15
	-10...10
	-25...80
	IP 67
	EN 61000-4-2 ESD: 6 kV CD / 8 AD
	EN 61000-4-3 HF radiated: 10 V/m
	EN 61000-4-4 Burst: 2 kV
	EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20hm)

IF0279 - Inductive sensor - eclass: 27270101 / 27-27-01-01

		EN 61000-4-6 HF conducted: 3 V EN 55011: class B EN 60947-5-2
MTTF	[Years]	932
Mechanical data		
Mounting		flush mountable
Housing materials		Brass white bronze coated; PBT white; connector: PA
Weight	[kg]	0.033
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