

Product characteristics

Inductive sensor

Plastic housing \varnothing 164 / 175 x 175 mm

Quick disconnect

with mounting plate

Sensing range 120 mm; adjustable 30...120 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]

Accuracy / deviations

Correction factors

AC

90...250 AC (47...63 Hz)

I

no

normally open

< 11

15

< 6

200; 250 (...50 °C)

\hat{i} : 1.5 A (10 ms / 0.5 Hz)

no

no

3

120, adjustable 30...120 mm

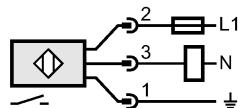
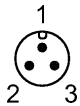
120 \pm 10 %

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

I22008 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Hysteresis	[% of Sr]	< 15
Switch-point drift	[% of Sr]	-15...15
Environment		
Ambient temperature	[°C]	-20...70
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Mounting		non-flush mountable
Housing materials		housing: PBT; Mounting plate: aluminum anodized
Weight	[kg]	1.566
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		7/8" connector

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] 1