

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

**Current rating**

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Pull-down resistor (internal) [kOhm]

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

DC PNP

18...32 DC

< 15

III

yes

normally open

< 2.5

125; 150 (...50 °C)

150

pulsed

yes

200

2

4

4 ± 10 %

0...3.25

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

3...15

-10...10

-25...80

IP 67

EN 60947-5-2

2554

non-flush mountable

# IF6001 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials	Brass white bronze coated; active face: PC (polycarbonate)
Weight [kg]	0.098
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.34 mm <sup>2</sup>

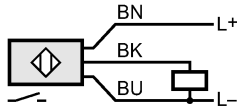
## Wiring

Core colours

BN brown

BU blue

BK black



Accessories	
Accessories (included)	2 lock nuts
Remarks	
Pack quantity [piece]	1