

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 2 mm; [f] 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]

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

10...55 DC

< 15

II

yes

normally open

< 2.5

125; 150 (...50 °C)

150

pulsed

yes

1000

2

2 ± 10 %

0...1.6

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

EN 55011:

class B

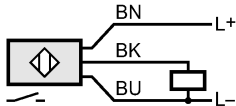
2383

flush mountable

# IF5955 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Housing materials	housing: stainless steel (303S22); active face: PBT; end cap: TPE
Weight [kg]	0.133
Displays / operating elements	
Output status indication LED	yellow
Electrical connection	
Connection	PUR cable / 3 m; 3 x 0.34 mm <sup>2</sup> ; halogen-free

## Wiring



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