

## Product characteristics

### Inductive sensor

Metal thread M30 x 1.5

Connector

Sensing range 10 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 [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

18...36 DC

15 (24 V)

III

no

Normally closed

< 2.5

125; 150 (...50 °C)

no

no

300

10

10 ± 10 %

0...8.1

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

1...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 55011: class B

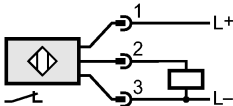
856

flush mountable

**II5452 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

|                               |                          |
|-------------------------------|--------------------------|
| Housing materials             | Brass nickel-plated; PBT |
| Weight [kg]                   | 0.137                    |
| Displays / operating elements |                          |
| Output status indication LED  | yellow                   |
| Electrical connection         |                          |
| Connection                    | M12 connector            |

**Wiring**



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