

## Product characteristics

### Inductive sensor

Metal thread M30 x 1.5

Connector

Increased sensing range

Sensing range 15 mm; [f] flush mountable

### Electrical data

#### Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

### Outputs

#### Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

100

### Range

Sensing range [mm]

15

Operating distance [mm]

0...12.1

### Accuracy / deviations

#### Correction factors

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

Hysteresis [% of Sr]

1...15

### Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

### Tests / approvals

#### EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1743

### Mechanical data

#### Mounting

flush mountable

#### Housing materials

Brass white bronze coated; active face: PBT

Weight [kg]

0.164

### Displays / operating elements

Output status indication LED

4 x yellow

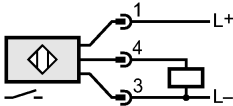
### Electrical connection

#### Connection

M12 connector

### Wiring

**II5842 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



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