

## Product characteristics

### Inductive sensor

Plastic thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

### Electrical data

#### Electrical design

Operating voltage [V]

Protection class

Reverse polarity protection

DC PNP/NPN

10...36 DC

II

yes

### Outputs

#### Output function

normally open

Voltage drop [V]

< 4.6

Minimum load current [mA]

4

Leakage current [mA]

< 0.6

Current rating [mA]

150

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

460

### Range

Sensing range [mm]

10

Real sensing range (Sr) [mm]

10 ± 10 %

Operating distance [mm]

0...8.1

### 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]

3...15

Switch-point drift [% of Sr]

-10...10

### Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

### Tests / approvals

#### EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

2642

### Mechanical data

Mounting

flush mountable

Housing materials

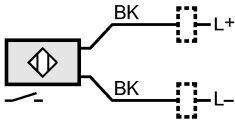
PBT

**II5696 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

Weight	[kg]	0.169
Displays / operating elements		
Output status indication	LED	yellow
Electrical connection		
Connection		PVC cable / 2 m; 2 x 0.5 mm²

**Wiring**

Core colours  
BK black



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