

CE

Product characteristics

Inductive sensor

Plastic thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage

[V]

10...36 DC

Protection class

II

Reverse polarity protection

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

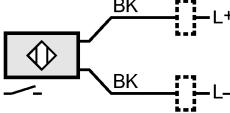
Mounting

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 mm ²
Wiring		
Core colours		
BK	black	
		

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

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