

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Connector

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

18...36 DC

Current consumption [mA]

15 (24 V)

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

125; 150 (...50 °C)

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

300

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]

1...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]

901

Mechanical data

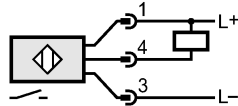
Mounting

flush mountable

II5453 - 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