

Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable with connector

Increased sensing range

Optical setting aid (2 LED)

Sensing range 8 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

5

Minimum load current [mA]

5

Leakage current [mA]

< 1

Current rating [mA]

100

Short-circuit protection

no

Overload protection

no

Switching frequency [Hz]

100

Monitoring range

Sensing range [mm]

8

Real sensing range (Sr) [mm]

8 ± 10 %

Operating distance [mm]

0...6.5

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

flush mountable

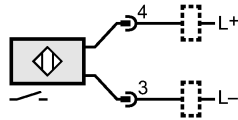
Housing materials

brass white bronze coated; CO-PC

# IG5827 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Weight	[kg]	0.1
Displays / operating elements		
Output status indication	LED	1 x red / 1 x green
Electrical connection		
Connection		PVC cable / 0.5 m; with M12 connector

## Wiring



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