

Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Weld field immune

Correction factor = 1

gold-plated contacts

Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

20

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

100

Short-circuit protection

yes

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

5

Real sensing range (Sr) [mm]

5 ± 10 %

Operating distance [mm]

0...4.05

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 1 / brass approx. 1 / aluminium approx. 1 / copper approx. 1

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 68; "Coolant"

Max. electromagnetic field immunity [mT]

300

Tests / approvals

MTTF [Years]

657

UL approval number

A005

Mechanical data

Mounting

flush mountable

Housing materials

housing: stainless steel (316L); active face: LCP white; LED window: PEI white; lock nuts: brass white bronze coated

Weight [kg]

0.053

Displays / operating elements

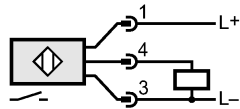
# IGC232 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Output status indication	LED	yellow (4 x 90°)
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Electrical connection		
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Connection		M12 connector; gold-plated contacts
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## Wiring



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