



Product characteristics

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Weld field immune

Correction factor = 1

gold-plated contacts

Sensing range 12 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC; cULus - Class 2 source required

Current consumption [mA]

20

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

Monitoring range

Sensing range [mm]

12

Real sensing range (Sr) [mm]

12 ± 10 %

Operating distance [mm]

0...9.7

Accuracy / deviations

Correction factors

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

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...70

Protection

IP 68; "Coolant"

Tests / approvals

MTTF [Years]

657

UL approval number

A005

Mechanical data

Mounting

non-flush mountable

Housing materials

housing: stainless steel (316L); active face: LCP

Weight [kg]

0.048

Displays / operating elements

Output status indication LED

yellow (4 x 90°)

Electrical connection

Connection

M12 connector; gold-plated contacts

Wiring

IGC233 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1