

Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable

Increased sensing range

Sensing range 8 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 10

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 (non-latching)

Overload protection

yes

Switching frequency [Hz]

600

Monitoring range

Sensing range [mm]

8

Operating distance [mm]

0...6.48

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]

1...20

Environment

Ambient temperature [°C]

0...100

Protection

IP 68 / IP 69K; "COP"

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD
EN 61000-4-3 HF radiated: 10 V/m
EN 61000-4-4 Burst: 2 kV
EN 61000-4-5 Surge: 0.5 kV
EN 61000-4-6 HF conducted: 10 V
EN 55011: class B

MTTF [Years]

1727

Mechanical data

Mounting

flush mountable

Housing materials

stainless steel (316L); active face: PEEK (polyether ether ketone)

Weight [kg]

0.272

Displays / operating elements

Output status indication LED

yellow (4 x 90°)

IGT206 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Electrical connection

Connection

PVC cable / 6 m; 3 x 0.34 mm²

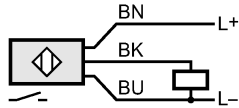
Wiring

Core colors

BK black

BN brown

BU blue



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1