

Product characteristics

Inductive sensor

Plastic thread M18 x 1

Cable

Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

10 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

complementary

Voltage drop [V]

< 2.5

Leakage current [mA]

< 0.1

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

720

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. 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...100

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

1365

Mechanical data

Mounting

flush mountable

Housing materials

PBT

Weight [kg]

0.314

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

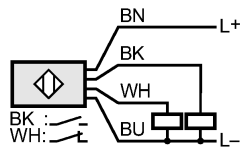
silicone cable / 6 m; 4 x 0.34 mm²

Wiring

IG5792 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors

BK black
BN brown
BU blue
WH white



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1