

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Increased sensing range

Optical setting aid (2 LED)

Sensing range 7 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP/NPN

Operating voltage [V]

10...36 DC

Protection class

II

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]

110

Monitoring range

Sensing range [mm]

7

Real sensing range (Sr) [mm]

7 ± 10 %

Operating distance [mm]

0...5.7

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

MTTF [Years]

1671

Mechanical data

Mounting

non-flush mountable

Housing materials

brass white bronze coated; PBT

Weight [kg]

0.107

Displays / operating elements

Output status indication LED

red

Setting aid LED

green

Electrical connection

Connection

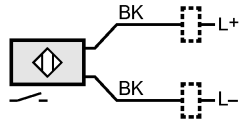
PUR cable / 3 m; 2 x 0.34 mm²

IF5832 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Wiring

Core colors

BK black



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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