

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 5.5 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 15

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

Normally closed

Voltage drop [V]

< 2.5

Current rating [mA]

150

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

800

Range

Sensing range [mm]

5.5

Real sensing range (Sr) [mm]

5.5 ± 10 %

Operating distance [mm]

0...4.45

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

10...50

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

MTTF [Years]

3069

Mechanical data

Mounting

non-flush mountable

Housing materials

Brass white bronze coated; PBT

Weight [kg]

0.057

IF6024 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Displays / operating elements

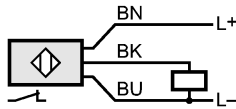
Output status indication LED

Electrical connection

Connection

PVC cable / 2 m; 3 x 0.14 mm²

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity [piece]

1

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