

Article discontinued as of 31.March 2017

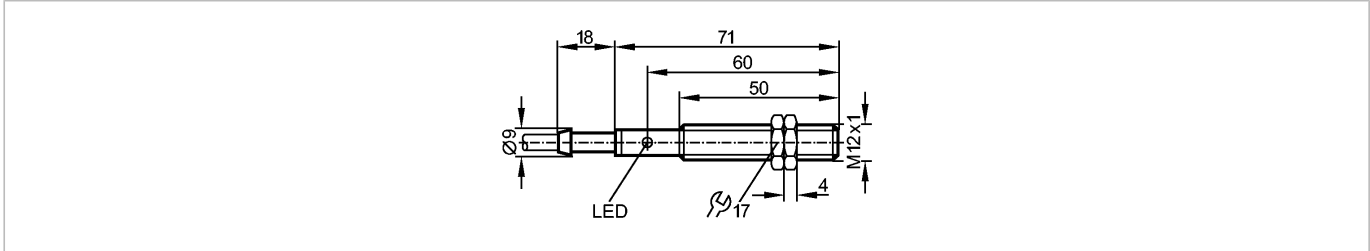
efector100

IF8503



IFA3002-BNKG/0.58m LS-100AK

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable with connector

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

15 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally closed

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

800

Monitoring range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

Hysteresis [% of Sr]

3...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011:

class B

Mechanical data

Mounting

flush mountable

Housing materials

stainless steel 316Ti / 1.4571; POM (polyoxymethylene)

Weight [kg]

0.091

Displays / operating elements

Output status indication LED

yellow

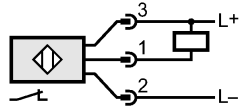
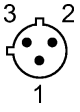
Electrical connection

Connection

PVC cable / 0.58 m; 3 x 0.34 mm²; with 1/2" connector

Wiring

IF8503 - Inductive sensor - eclass: 27270101 / 27-27-01-01



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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