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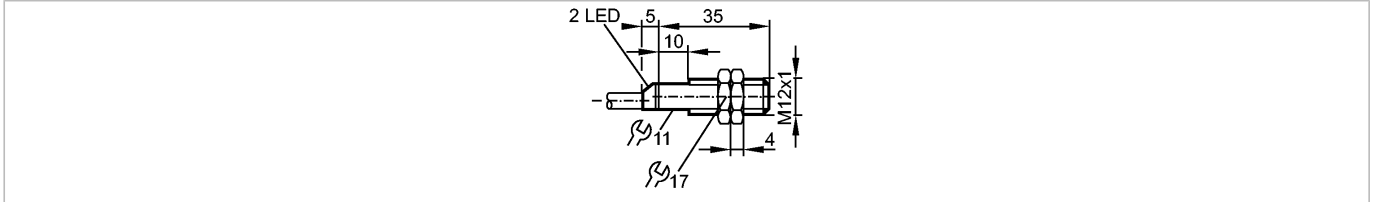
**efector100**

IF5952



IFB2004BAROG/UP/SC/0.3UC

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable with connector

Increased sensing range

Optical setting aid (2 LED)

Sensing range 4 mm; [f] 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]

4

Real sensing range (Sr) [mm]

4 ± 10 %

Operating distance [mm]

0...3.25

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

Mechanical data

Mounting

flush mountable

Housing materials

brass PTFE-coated; polycarbonate

Weight [kg]

0.097

Displays / operating elements

Output status indication LED

1 x red / 1 x green

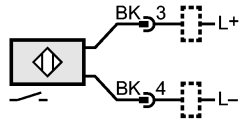
Electrical connection

Connection

PUR cable / 0.3 m; 2 x 0.34 mm<sup>2</sup>; cross-linked, with silicone protective tube, with M12 connector

Wiring

**IF5952 - Inductive sensor - eclass: 27270101 / 27-27-01-01**



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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