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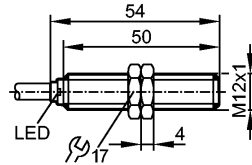
**efector100**

IF6032



IFB3004-BPKG/US/PULLDOWN 2KOHM

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC NPN

Operating voltage [V]

10...36 DC

Current consumption [mA]

< 15

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Leakage current [mA]

< 0.1

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. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV CD / 8 kV AD  
 EN 61000-4-3 HF radiated: 3 V/m  
 EN 61000-4-4 Burst: 2 kV  
 EN 61000-4-6 HF conducted: 3 V  
 EN 55011: class B

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; PBT

Displays / operating elements

Output status indication

LED

yellow

Electrical connection

Connection

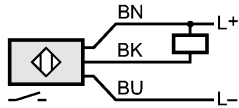
PVC cable / 2 m; 3 x 0.34 mm<sup>2</sup>

**Wiring**

# IF6032 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Core colors

BK black  
BN brown  
BU blue



## Accessories

Accessories (included)

2 lock nuts

## Remarks

Pack quantity

[piece]

1

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