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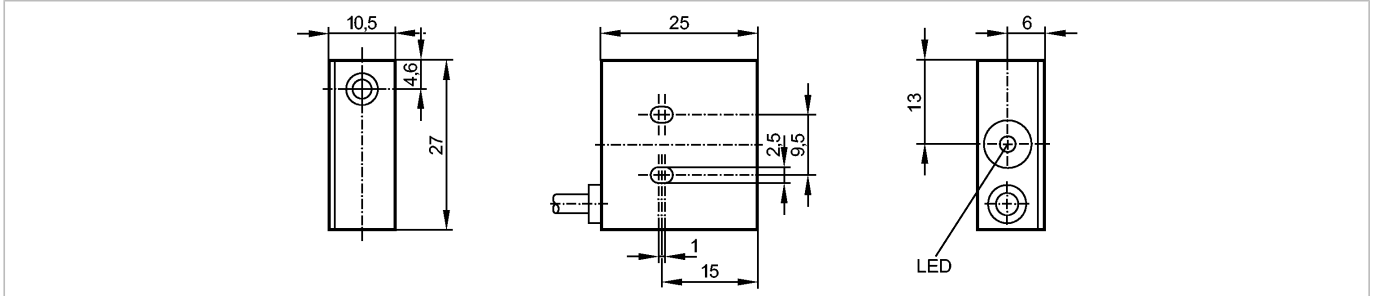
**efector100**

IJ5002



IJ-3002-APKG/0.15M

Inductive sensors



Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

10 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally closed

Voltage drop [V]

< 2.5

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

2000

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]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

2225

Mechanical data

Mounting

non-flush mountable

Housing materials

nylon; Makrolon; ARNITEL

Weight [kg]

0.021

Displays / operating elements

Output status indication LED

yellow

Electrical connection

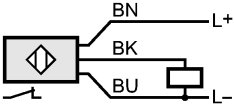
Connection

PVC cable / 0.15 m; 3 x 0.14 mm<sup>2</sup>

**Wiring**

IJ5002 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colors  
BK black  
BN brown  
BU blue



Remarks

Pack quantity [piece] 1

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