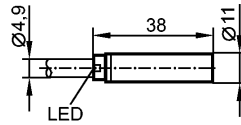




IFG3007-BPKG/5M

Inductive sensors



Product characteristics
Inductive sensor

Plastic housing \varnothing 11 mm

Cable

Sensing range 7 mm; [nf] non-flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC; "supply class 2" to cULus.

Current consumption [mA]

< 15

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

250

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

400

Range

Sensing range [mm]

7

Real sensing range (Sr) [mm]

$7 \pm 10\%$

Operating distance [mm]

0...5.7

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]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [Years]

2744

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT

Weight [kg]

0.208

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

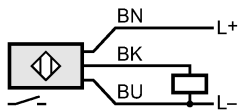
PVC cable / 5 m; 3 x 0.34 mm²

Wiring

IF6023 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colours

BK black
BN brown
BU blue



Remarks

Pack quantity [piece] 1

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