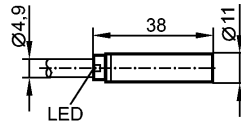




IFG3007-BPKG/5M

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; cULus - Class 2 source required

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 yes (non-latching)

Overload protection yes

Switching frequency [Hz] 400

Monitoring 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 / 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 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

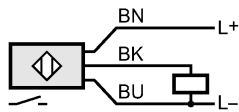
Connection PVC cable / 5 m; 3 x 0.34 mm²

Wiring

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

Core colors

BK black
BN brown
BU blue



Remarks

Pack quantity [piece] 1

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