

Product characteristics

Inductive sensor

Metal thread M12 x 1

Cable

Sensing range 2 mm; [f] flush mountable

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 15

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

100

Short-circuit protection

pulsed

Overload protection

yes

Switching frequency [Hz]

1200

Range

Sensing range [mm]

2

Real sensing range (Sr) [mm]

2 ± 10 %

Operating distance [mm]

0...1.6

Accuracy / deviations

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-20...70

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD:	4 kV CD / 8 kV AD
EN 61000-4-3 HF radiated:	10 V/m
EN 61000-4-4 Burst:	2 kV
EN 61000-4-5 Surge:	0.5 kV (line to line, Ri: 20Ω)
EN 61000-4-6 HF conducted:	10 V
EN 55011 (Emission):	class B

MTTF [Years]

3216

Mechanical data

Mounting

flush mountable

Housing materials

high-grade stainless steel; active face: PBT; lock nuts: high-grade stainless steel

Weight [kg]

0.02

Displays / operating elements

Output status indication LED

yellow

Electrical connection

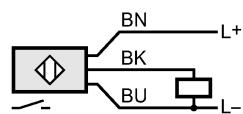
Connection

PUR cable / 0.4 m; 3 x 0.34 mm²; with flat connector (4.8 x 0.5 mm)

Wiring

IF6038 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Core colours
BN brown
BU blue
BK black



Remarks

Pack quantity [piece] 1