

Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable with connector

Sensing range 12 mm; [nf] non-flush mountable

Electrical data

Electrical design

Operating voltage [V]

Current consumption [mA]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Current rating [mA]

Short-circuit protection

Overload protection

Switching frequency [Hz]

Range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

DC NPN

10...36 DC

15 (24 V)

II

yes

normally open

< 2.5

250

pulsed

yes

100

12

12 ± 10 %

0...9.7

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

3...15

-10...10

-25...70

IP 67

EN 60947-5-2

EN 55011:

class B

1754

non-flush mountable

Brass white bronze coated; PC (polycarbonate); TPE

0.111

IG6053 - Inductive sensor - eclass: 27270101 / 27-27-01-01

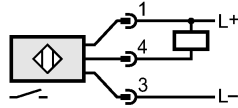
Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | PUR / PVC cable / 0.98 m; with M12 connector

Wiring



Accessories

Accessories (included) | 2 lock nuts

Remarks

Pack quantity [piece] | 1