

Product characteristics

Inductive sensor

Rectangular, plastics

Cable

Sensing range 2 mm; [f] 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

Mechanical data

Mounting

DC PNP

10...36 DC

15 (24 V)

III

no

normally open

< 1

200

no

no

800

2

2 ± 10 %

0...1.6

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2

1...15

-10...10

-25...80

IP 67

EN 61000-4-2 ESD:

15 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

3004

flush mountable

IS5088 - Inductive sensor - eclass: 27270101 / 27-27-01-01

| | | |
|-------------------------------|------|--|
| Housing materials | | PBT |
| Tightening torque | [Nm] | ≤ 0.5 (with washer) |
| Weight | [kg] | 0.013 |
| Displays / operating elements | | |
| Output status indication | LED | yellow |
| Electrical connection | | |
| Connection | | PVC cable / 0.15 m; 3 x 0.14 mm²; Ø 3.5 mm |

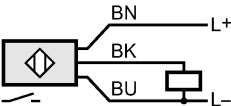
Wiring

Core colours

BN brown

BU blue

BK black



| | | |
|---------------|---------|---|
| Remarks | | |
| Pack quantity | [piece] | 1 |