



Inductive Proximity Sensor IG5554 , IGA 3005-BPKG

URL:<https://www.sxplc.com/inductive-proximity-sensor-ig5554-iga-3005-bpkg>

Product data sheet

Product Characteristics

Electrical Design

PNP

Output Function

Normally open

Sensing distance [mm]

5

Enclosure

Threaded construction

Dimensions [mm]

M18 x 1 / L = 80

Application

Special features

Gold-plated contacts

Electrical data

Operating voltage [V]

10.... 30 DC

Current loss [mA]

< 10

Protection class

II

Inverted phase protection

yes

Outputs

Electrical design

PNP

Output Function

Normally open

Switching output DC voltage drop max.

2.5

Continuous current load of switching output DC [mA]

200

Switching frequency DC [Hz]

500

Short-circuit protection

Yes

Overload protection

Yes

Monitoring range

Sensing distance [mm]

5

Actual sensing distance S_r [mm]

$5 \pm 10 \%$

Operating distance [mm]

0.... 4.05

Accuracy / Deviation

Calibration coefficient

Steel: 1 / Special steel: 0.7 / Brass: 0.5 / Aluminum: 0.4 / Copper: 0.3

Hysteresis [% of S_r]

3.... 15

Switching point offset [% of S_r] -10....15

-10.... 10

Operating conditions

Ambient temperature [°C]

-25.... .80

Enclosure protection class

IP 67

Approvals/Tests

EMC Electromagnetic Compatibility

EN 61000-4-2 ESD

4 kV CD / 8 kV AD

EN 61000-4-3 HF EMF radiation

10 V/m

EN 61000-4-4 Burst

2 kV

EN 61000-4-6 Conducted immunity for RF field induction

10 V

EN 55011

Class B

MTTF [years]

1083

Embedded software included

No

UL Listed

Ta

0.... .40 °C

Enclosure type

Type 1

Enclosure type Type 1

Hazardous voltage

UL certification number

A004

Number of documents UL

E174191

Mechanical Technical Data

Weight [g]

56.5

Housing

Threaded construction

Mounting

flush mounting

Dimensions [mm]

M18 x 1 / L = 80

Thread designation

M18 x 1

Material

Housing: brass, white bronze-plated; Sensing surface: PBT orange; LED window: PEI; Fixing nut: brass, white bronze-plated

Display/operating elements

Display

Switching status

4 x 90° LED, yellow

Accessories

Scope of supply

Fixing nuts: 2

Note

Packaging unit

1 piece

Electrical connection - plug

connector

Connector: 1 x M12; Translator: A; Contacts: gold plated

