



Inductive sensor ID5005

IDE3060-FPKG

URL: <https://www.sxplc.com/inductive-sensor-id5005-ide3060-fpkg>

Product data sheet

Product characteristics

Electrical design

PNP

Output function

normally open / closed; (selectable)

Sensing range [mm]

60

Housing

rectangular

Dimensions [mm]

105 x 80 x 40

Electrical data

Operating voltage [V]

10...36 DC

Current consumption [mA]

15; (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Electrical design

PNP

Output function

normally open / closed; (selectable)

Max. voltage drop switching output DC [V]

2.5

Permanent current rating of switching output DC [mA]

250

Switching frequency DC [Hz]

100

Short-circuit protection

yes

Overload protection

yes

Monitoring range

Sensing range [mm]

60

Sensing range adjustable

yes

Factory setting sensing range [mm]

60

Real sensing range Sr [mm]

$60 \pm 10 \%$

Operating distance [mm]

0...48.6

Accuracy / deviations

Correction factor

steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Operating conditions

Ambient temperature [°C]

-25...80

Protection

IP 65

Tests / approvals

EMC

EN 61000-4-2 ESD

- 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: 2 Ohm

EN 61000-4-6 HF conducted

10 V

EN 55011

class B

MTTF [years]

1277

UL approval

Ta

0...40 °C

Enclosure type

Type 1

voltage supply

Hazardous voltage

File number UL

E174191

Mechanical data

Weight [g]

434

Housing

rectangular

Mounting

non-flush mountable

Dimensions [mm]

105 x 80 x 40

Material

PPE

Displays / operating elements

Display

Switching status

1 x LED, yellow

Accessories

Items supplied

screwdriver: 1

Remarks

Pack quantity

1 pcs.

Electrical connection

Connection

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.

