



Inductive Sensor IM5123(IMC4020B CPKG/US-100-DPA)

URL:<https://www.sxplc.com/inductive-sensor-im5123-imc4020bcpkg-us-100-dpa>

Product data sheet

Product Characteristics

Electrical Design

PNP

Output Function

NC+NO

Sensing distance [mm]

20

Housing

Rectangular

Dimensions [mm]

40 x 40 x 54

Electrical data

Operating voltage [V]

10... 36 DC

Current loss [mA]

< 25

Protection class

II

Inverted phase protection

yes

Outputs

Electrical design

PNP

Output Function

NC+NO

Switching output DC voltage drop max.

2.5

Leakage current max.

0.1

Continuous current load of switching output DC [mA]

200

Switching frequency DC [Hz]

100

Short-circuit protection

Yes

Short-circuit protection type

Pulse

Overload protection

Yes

Monitoring range

Sensing distance [mm]

20

Working distance [mm]

0.... .16.2

Accuracy/deviation

Calibration coefficient

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

Hysteresis [% of Sr]

1.... .20

Operating conditions

Ambient temperature [°C]

-25.... .70

Enclosure protection class

IP 67

Approvals/Tests

EMC Electromagnetic Compatibility

EN 61000-4-2 ESD

8 kV CD / 6 kV AD

EN 61000-4-3 HF EMF radiation

10 V/m

EN 61000-4-4 Burst

2 kV

EN 61000-4-5 Surge

0,5 kV line to line, Ri: 20hm

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

10 V

EN 55011

Class B

MTTF [years]

1270

UL recognized

Ta

-25.... .70 °C

Enclosure type

Type 1

Enclosure type Type 1

Class 2

Number of files UL

E174191

Mechanical Technical Data

Weight [g]

146.5

Housing

Rectangular

Sensing surface

5 positions available

Mounting

Flush mounting

Dimensions [mm]

40 x 40 x 54

Material

PA

Display/operating elements

Display

Switching status

1 x LED, yellow

Operation

1 x LED, green

Comments

Packaging unit

1 piece

Electrical Connection - Plug

Connector: 1 x M12; Translator: A; Locking: Locking, rotatable

