



proximity switch IM5136- IMC4040-CPKG/US

URL: <https://www.sxplc.com/proximity-switch-im5136-imc4040-cpkg-us>

Product data sheet

Product Characteristics

Electrical Design

PNP

Output Function

NC+NO

Sensing distance [mm]

40

Housing

Rectangular

Dimensions [mm]

40 x 40 x 54

Electrical data

Operating voltage [V]

10... 36 DC

Current loss [mA]

< 20

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]

60

Short-circuit protection

Yes

Short-circuit protection type

Pulse

Overload protection

Yes

Monitoring range

Sensing distance [mm]

40

Working distance [mm]

0.... 32.4

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]

1208

UL certified

Ta

-25.....70 °C

Enclosure type

Type 1

Enclosure type Type 1

Class 2

Number of files UL

E174191

Mechanical Technical Data

Weight [g]

152

Housing

Rectangular

Sensing surface

5 positions available

Mounting

Non-flush mounting

Dimensions [mm]

40 x 40 x 54

Material

Housing: PA; Sensing surface: PA black; End caps: PA; Clamps: orange; Bolts: stainless steel (1.4567 / 304Cu)

Display/Operating parts

Display

Switch status

1 x LED, yellow

Operation

1 x LED, green

Comments

Packaging unit

1 piece

Electrical Connection - Plug

connector

Connector: 1 x M12; Translator: A; Locking: locking, rotatable, stainless steel (1.4404 / 316L)

