



## PROXIMITY SENSOR II5697

URL:<https://www.sxplc.com/proximity-sensor-ii5697>

### Product data sheet

Product characteristics

Electrical design

PNP/NPN

Output function

normally open

Sensing range [mm]

10

Housing

Threaded type

Dimensions [mm]

M30 x 1.5

Electrical data

Operating voltage [V]

10...36 DC

Protection class

II

Reverse polarity protection

yes

Outputs

Electrical design

PNP/NPN

Output function

normally open

Max. voltage drop switching output DC [V]

4.6

Minimum load current [mA]

4

Max. leakage current [mA]

0.6

Permanent current rating of switching output DC [mA]

150

Switching frequency DC [Hz]

460

Short-circuit protection

yes

Type of short-circuit protection

yes (non-latching)

Overload protection

yes

Monitoring range

Sensing range [mm]

10

Real sensing range  $S_r$  [mm]

$10 \pm 10 \%$

Operating distance [mm]

0...8.1

Accuracy / deviations

Correction factor

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

Hysteresis [% of  $S_r$ ]

3...15

Switch-point drift [% of  $S_r$ ]

-10...10

Operating conditions

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011

class B

MTTF [years]

2642

Mechanical data

Weight [g]

237.5

Housing

Threaded type

Mounting

flush mountable

Dimensions [mm]

M30 x 1.5

Thread designation

M30 x 1.5

Material

brass nickel-plated; PBT

Displays / operating elements

Display

Switching status

1 x LED, yellow

Accessories

Items supplied

lock nuts: 2

Remarks

Pack quantity

1 pcs.

Electrical connection

Connection

Cable: 2 m, PVC; 2 x 0.5 mm<sup>2</sup>

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