



proximity switch II5961 (180°)

URL:<https://www.sxplc.com/proximity-switch-ii5961-180>

Product data sheet

Product Characteristics

Electrical Design

PNP

Output Function

Normally open

Sensing distance [mm]

10

Enclosure

Threaded construction

Dimensions [mm]

M30 x 1.5 / L = 70

Application

Application

High temperature applications

Electrical data

Operating voltage [V]

10... 35 DC

Current loss [mA]

< 15

Protection class

III

Inverted phase protection

yes

Outputs

Electrical design

PNP

Output Function

Normally open

Switching output DC voltage drop max.

2

Continuous current load of switching output DC [mA]

150

Switching frequency DC [Hz]

200

Short circuit protection

Yes

Short-circuit protection type

Pulse

Overload protection

Yes

Monitoring range

Sensing distance [mm]

10

Working distance [mm]

0.... .8.1

Accuracy/deviation

Calibration coefficient

Steel: 1 / Special steel: 0.6 / Brass: 0.3 / Aluminum: 0.2 / Copper: 0.1

Hysteresis [% of Sr]

3.... .15

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

-10.... .10

Operating conditions

Ambient temperature [°C]

0.... .180

Enclosure protection class

IP 65

Approvals/Tests

EMC Electromagnetic Compatibility

EN 61000-4-2 ESD

2 kV CD / 4 kV AD

EN 61000-4-3 HF EMF radiation

3 V/m

EN 61000-4-4 Burst

2 kV

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

3 V

MTTF [years]

692

Mechanical Technical Data

Weight [g]

355.5

Housing

Threaded construction

Mounting

Flush mounting

Dimensions [mm]

M30 x 1.5 / L = 70

Thread designation

M30 x 1.5

Material

Housing: Special steel; Sensing surface: LCP

Accessories

Scope of supply

Fixing nuts: 2

Note

Packaging unit

1 piece

Electrical connection

Connector: 5 m, silicone; highly flexible; 3 x 0.22 mm²

