



sensor-OGT500

URL:<https://www.sxplc.com/sensor-ogt500>

Product data sheet

Product characteristics

Type of light

red light

Housing

Threaded type

Application

Function principle

Diffuse reflection sensor

Electrical data

Operating voltage [V]

10...36 DC; (cULus - Class 2 source required)

Current consumption [mA]

25

Protection class

II

Reverse polarity protection

yes

Type of light

red light

Wave length [nm]

624

Outputs

Electrical design

PNP

Output function

light-on/dark-on mode; (programmable)

Max. voltage drop switching output DC [V]

2.5

Permanent current rating of switching output DC [mA]

150; (200 (...60 °C))

Switching frequency DC [Hz]

2000

Short-circuit protection

yes

Type of short-circuit protection

yes (non-latching)

Overload protection

yes

Monitoring range

Range [mm]

2...800; (white paper 200 x 200 mm 90 % remission)

Factory setting

light-on mode

Setting range [mm]

150...800

Range adjustable

yes

Max. light spot diameter [mm]

66

Light spot dimensions refer to

at maximum range

Operating conditions

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

MTTF [years]

473

Mechanical data

Weight [g]

58.4

Housing

Threaded type

Dimensions [mm]

M18 x 1 / L = 72

Thread designation

M18 x 1

Material

stainless steel (1.4404 / 316L); PA; LCP; EPDM; TPU (urethane)

Lens material

PMMA

