



## **Straight-Through Sensor Receiver OF5022**

URL:<https://www.sxplc.com/straight-through-sensor-receiver-of5022>

### **Product data sheet**

Product Characteristics

Light Type

Infrared

Housing

Threaded construction

APPLICATIONS

Special Performance

Function Monitoring Output

Function principle

Counterpoise photoelectric switches

Electrical data

Operating voltage [V]

10.... 36 DC

Current loss [mA]

< 30

Protection class

II

Inverted phase protection

yes

Type of light

Infrared

Wavelength [nm]

880

Output

Electrical Design

PNP

Output Function

Bright pass and dark pass modes; (selectable)

Switching output DC voltage drop max.

2.5

Function monitoring output

Yes

Function check output voltage drop maximum value [V]

3.5

Max. current load for function monitoring output [mA]

10

Continuous current load for switching output DC [mA]

200

Switching frequency DC [Hz]

320

Short circuit protection

Yes

Short-circuit protection type

Pulse

Overload protection

Yes

Monitoring Range

Transmitter/Receiver

Receiver

Detection distance [m]

< 4

Detection distance can be set

Yes

Operating conditions

Ambient temperature [°C]

-25.....60

Enclosure protection class

IP 65

Certificates/Tests

EMC Electromagnetic Compatibility

EN 60947-5-2

MTTF [years]

652

Mechanical Technical Data

Weight [g]

40.7

Housing

Threaded construction

Dimensions [mm]

M12 x 1 / L = 74

Thread designation

M12 x 1

Material

Housing: Brass White bronze - plated

Lens material

PMMA

Display/operating elements

Display

Switching status

1 x LED, yellow

Operation

1 x LED, green

Function

1 x LED, red

Accessory

Scope of supply

Fixing nuts: 2

screwdriver

Note

Packing unit

1 piece

Electrical connection

Connector: 1 x M12; Translator: A

