

### Certifications and standards

Product certifications	CE CULus
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### Connections

Cable length	2 m
Electrical connection	Cable

### Electrical

[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Current consumption	≤ 40 mA no-load
Electronic sensor type	Photo-electric sensor
Pulse frequency	8 kHz
Supply circuit type	DC
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA overload and short-circuit protection
Voltage drop	< 2 V closed state
Voltage state 0 guaranteed	< 1.4 V
Voltage state 1 guaranteed	> 3 V

### Environment

IP degree of protection	IP65 IEC 60529
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-20...80 °C
Emission	Red LED
Immunity to ambient light	10000 lux natural light 20000 lux incandescent bulb

### Functional

[Sn] nominal sensing distance	0 m depending on fiber optic used
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP and NPN
Output type	Solid state
Setting-up	Sensitivity adjustment
Time delay range	0.5...11 s
Type of output signal	Discrete

## Performance

Delay recovery	≤ 5 ms
Delay response	≤ 5 ms
Switching frequency	< 1 kHz

## Physical characteristics

Enclosure material	Polycarbonate
Material	Plastic
Product weight	0.124 kg

## Product identification

Range of product	Osiris
Sensor design	Fiber design
Sensor name	XUY
Series name	Optimum amplifier

## Usage / Application

Specific application of photoelectric detector	Detection in aggressive environments Detection of items exiting an oven (high temperature fibers) Detection of presence of parts in a plastic mould Monitoring position or presence of parts on an assembly or packing machine
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