

Certifications and standards

Product certifications	CE CULus
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Connections

Electrical connection	1 male connector M8 4 pins
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Electrical

[Us] rated supply voltage	12...24 V DC reverse polarity protection
Current consumption	40 mA no-load
Electronic sensor type	Photo-electric sensor
Load capacitance	330 nF
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

Environment

IP degree of protection	IP65 IEC 60529
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-30...80 °C
Emission	Infrared laser, modulated class 1 IEC 825-1
Immunity to ambient light	10000 lux natural light 5000 lux incandescent bulb
Shock resistance	30 gn 11 ms IEC 60068-2-27
Vibration resistance	7 gn +/- 0.75 mm 10...55 Hz IEC 60068-2-6

Functional

[Sn] nominal sensing distance	2...120 m
Detection system	Thru beam
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP and NPN
Keypad type	Yellow
Minimum object diameter for detection	0.05 mm
Output type	Solid state
Passageway	50 mm 95 mm
Setting-up	Self teaching
Status LED	1 LED yellow output state 1 LED red adjustment mode and keypad locking

Type of output signal	Discrete
Wiring technique	4-wire

Performance

Delay response	-20...20 µs
Switching frequency	10 kHz

Physical characteristics

Enclosure material	Painted aluminium and polyamide/glass
Material	Metal/Plastic
Product weight	0.055...0.128 kg

Product identification

Range of product	Osiris
Sensor design	Fork
Sensor name	XUY
Series name	Application

Usage / Application

Specific application of photoelectric detector	Detection of reference marks Detection of transparent object Detection on conveyor Detection on vibrating rail
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