

Certifications and standards

Product certifications	CE CSA UL
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Connections

Electrical connection	1 male connector M8 3 pins
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Electrical

[Us] rated supply voltage	12...24 V DC reverse polarity protection
Current consumption	< 20 mA no-load
Electronic sensor type	Photo-electric sensor
Supply circuit type	DC
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA overload and short-circuit protection
Voltage drop	≤ 1.5 V closed state

Environment

IP degree of protection	IP65 IP67
Ambient air temperature for operation	-10...60 °C
Ambient air temperature for storage	-40...80 °C
Emission	Red LED, modulated
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...180 m
Detection system	Thru beam
Discrete output function	1 NC
Discrete output type	PNP
Output type	Solid state
Passageway	50 mm 60 mm
Status LED	1 LED yellow output state
Type of output signal	Discrete
Wiring technique	3-wire

Performance

Switching frequency	4000 Hz
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Physical characteristics

Enclosure material	Painted aluminium and polyamide/glass
Material	Metal/Plastic
Product weight	0.08...0.19 kg
Spot diameter	0.8 mm

Product identification

Range of product	OsiSense XU
Sensor design	Fork
Sensor name	XUVR
Series name	Optimum

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