

Certifications and standards

Product certifications	CE CSA UL
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Connections

Cable length	2 m
Electrical connection	Cable

Electrical

[Us] rated supply voltage	12...24 V DC reverse polarity protection
Current consumption	25 mA no-load
Electronic sensor type	Photo-electric sensor
Power consumption in W	< 1 mW
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	IP67 double insulation IEC 60529
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-10...45 °C
Emission	Red laser class 1 670 nm IEC 825-1
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	0...100 m
Blind zone	0 mm
Detection system	Through beam (transmitter + receiver)
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP
Output type	Solid state
Setting-up	With sensitivity adjustment
Status LED	1 LED yellow output state and alignment aid 1 LED green supply on and teaching 1 LED red stability
Type of output signal	Discrete
Wiring technique	3-wire

Performance

Delay first up	< 80 ms
Delay recovery	< 0.4 ms
Delay response	< 0.4 ms
Switching frequency	1500 Hz

Physical characteristics

Enclosure material	Nickel plated brass
Lens material	PMMA
Material	Metal
Product weight	0.23 kg

Product identification

Range of product	Osiris
Sensor design	Design 18
Sensor name	XUB
Series name	Application, materials handling

Mouser Electronics

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