

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	45 mA no-load
Electronic sensor type	Photo-electric sensor
Supply circuit type	DC
Supply voltage limits	10...32 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 double insulation IP67 double insulation
Ambient air temperature for operation	0...55 °C
Ambient air temperature for storage	-40...70 °C
Emission	Coaxial polarised red
Shock resistance	30 gn 11 ms IEC 60068-2-27
Vibration resistance	7 gn +/- 1 mm 10...55 Hz IEC 60068-2-6
RoHS EUR conformity date	0724
RoHS EUR status	Compliant

Functional

[Sn] nominal sensing distance	0...1.4 m with reflector XUZ C50/C50HP
Beam angle	1.5 °
Blind zone	0 mm
Discrete output function	1 NO or 1 NC programmable
Discrete output type	PNP
Kit composition	Reflector XUZC50HP Sensor
Line of sight type	Along case axis
Output type	Solid state

Status LED	1 LED yellow output state 1 LED green supply on 1 LED red stability
Type of output signal	Discrete
Wiring technique	3-wire

Performance

Delay first up	< 200 ms
Delay recovery	< 500 µs
Delay response	< 500 µs
Switching frequency	1000 Hz

Physical characteristics

Enclosure material	PBT
Lens material	PMMA
Material	Plastic
Product weight	0.11 kg
Spot diameter	37 mm
Wire insulation material	PvR

Product identification

Range of product	Osiris
Sensor design	Design 18
Sensor name	XUBT
Series name	Application

Usage / Application

Specific application of photoelectric detector	Detection of transparent object
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