



## Certifications and standards

|                        |                 |
|------------------------|-----------------|
| Product certifications | CE<br>CSA<br>UL |
|------------------------|-----------------|

## 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<br>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...0.8 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<br>Sensor           |
| Line of sight type            | 90° to case axis                       |
| Output type                   | Solid state                            |

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Status LED            | 1 LED yellow output state<br>1 LED green supply on<br>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           | 0.113 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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