



Price\* : 78.73 GBP



## Main

|                               |                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | OsiSense XU                                                                                                                                                |
| Series name                   | Application food and beverage multimode                                                                                                                    |
| Electronic sensor type        | Photo-electric sensor                                                                                                                                      |
| Sensor name                   | XUB                                                                                                                                                        |
| Sensor design                 | Cylindrical M18                                                                                                                                            |
| Detection system              | Multimode                                                                                                                                                  |
| Material                      | Stainless steel                                                                                                                                            |
| Line of sight type            | Axial                                                                                                                                                      |
| Type of output signal         | Discrete                                                                                                                                                   |
| Supply circuit type           | DC                                                                                                                                                         |
| Wiring technique              | 3-wire                                                                                                                                                     |
| Discrete output type          | PNP                                                                                                                                                        |
| Discrete output function      | 1 NO or 1 NC programmable                                                                                                                                  |
| Electrical connection         | Cable                                                                                                                                                      |
| Cable length                  | 2 m                                                                                                                                                        |
| Product specific application  | -                                                                                                                                                          |
| Emission                      | Infrared diffuse<br>Infrared diffuse with background suppression<br>Infrared thru beam<br>Red polarised reflex                                             |
| [Sn] nominal sensing distance | 3 m polarised reflex need reflector XUZC50<br>20 m thru beam need a transmitter XUB0SKSNL2T<br>0.12 m diffuse with background suppression<br>0.3 m diffuse |

## Complementary

|                    |                          |
|--------------------|--------------------------|
| Enclosure material | Stainless steel : 304 CU |
| Lens material      | PMMA                     |

|                           |                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------|
| Maximum sensing distance  | 0.12 m diffuse with background suppression<br>0.4 m diffuse<br>30 m thru beam<br>4.5 m polarised reflex |
| Output type               | Solid state                                                                                             |
| Wire insulation material  | PvR                                                                                                     |
| Status LED                | 1 LED (green) for output state<br>1 LED (red) for supply on<br>1 LED (yellow) for stability             |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection                                                           |
| Supply voltage limits     | 10...36 V DC                                                                                            |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)                                                       |
| Switching frequency       | <= 250 Hz                                                                                               |
| Maximum voltage drop      | <1.5 V (closed state)                                                                                   |
| Current consumption       | 35 mA no-load                                                                                           |
| Maximum delay first up    | 200 ms                                                                                                  |
| Maximum delay response    | 2 ms                                                                                                    |
| Maximum delay recovery    | 2 ms                                                                                                    |
| Setting-up                | Self-training                                                                                           |
| Diameter                  | 18 mm                                                                                                   |
| Length                    | 78 mm                                                                                                   |
| Product weight            | 0.105 kg                                                                                                |

## Environment

|                                       |                                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | CSA<br>CE<br>UL                                                                                                                                     |
| Ambient air temperature for operation | -25...55 °C                                                                                                                                         |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                         |
| Vibration resistance                  | 7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6                                                                           |
| Shock resistance                      | 30 gn (duration = 11 ms) conforming to IEC 60068-2-27                                                                                               |
| IP degree of protection               | IP65 double insulation conforming to IEC 60529<br>IP67 double insulation conforming to IEC 60529<br>IP69K double insulation conforming to DIN 40050 |

## Offer Sustainability

|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                               |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                     |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                           |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|