



## Main

|                               |                             |
|-------------------------------|-----------------------------|
| Range of product              | OsiSense XU                 |
| Series name                   | General purpose single mode |
| Electronic sensor type        | Photo-electric sensor       |
| Sensor name                   | XUK                         |
| Sensor design                 | Compact 50 x 50             |
| Detection system              | Diffuse                     |
| Material                      | Plastic                     |
| Type of output signal         | Discrete                    |
| Supply circuit type           | AC/DC                       |
| Wiring technique              | 5-wire                      |
| Discrete output function      | 1 C/O                       |
| Electrical connection         | Cable                       |
| Cable length                  | 16.4 ft (5 m)               |
| Product specific application  | -                           |
| Emission                      | Infrared diffuse            |
| [Sn] nominal sensing distance | 3.28 ft (1 m) diffuse       |

## Complementary

|                           |   |
|---------------------------|---|
| Enclosure material        | PBT   |
| Lens material             | PMMA  |
| Maximum sensing distance  | 4.92 ft (1.5 m) diffuse   |
| Output type               | Relay   |
| Cable composition         | 5 x 0.34 mm <sup>2</sup>  |
| Wire insulation material  | PVC   |
| Cable outer diameter      | 0.24 in (6 mm)  |
| Status LED                | 1 LED (green) supply<br>1 LED (yellow) output state                             |
| [Us] rated supply voltage | 24...240 V AC/DC  |
| Supply voltage limits     | 20...264 V AC   |
| Switching capacity in mA  | 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) |
| Switching frequency       | <= 20 Hz  |
| Current consumption       | <= 35 mA (no-load)  |
| Power consumption in W    | 2 W AC  |
| Delay first up            | < 60 ms   |
| Delay response            | < 25 ms   |
| Delay recovery            | < 25 ms   |
| Setting-up                | Sensitivity adjustment  |
| Electrical durability     | 500000 cycles, cos φ = 1, 60 cyc/mn at 250 V                                    |
| Depth                     | 1.97 in (50 mm)   |
| Height                    | 1.97 in (50 mm)   |
| Width                     | 0.71 in (18 mm)   |
| Product weight            | 0.42 lb(US) (0.19 kg)   |

## Environment

|                                       |                            |
|---------------------------------------|----------------------------|
| product certifications                | CE<br>CSA<br>UL            |
| ambient air temperature for operation | -13...131 °F (-25...55 °C) |

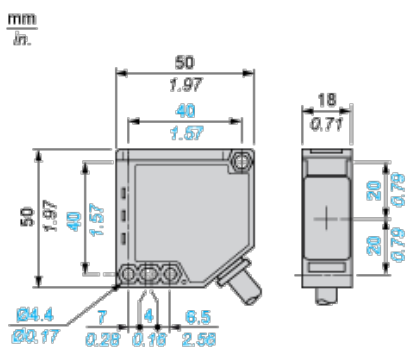
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|                                     |   |
|-------------------------------------|---|
| ambient air temperature for storage | -40...158 °F (-40...70 °C)  |
| vibration resistance                | 7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6 |
| shock resistance                    | 10 gn (duration = 11 ms) conforming to IEC 60068-2-27                     |
| IP degree of protection             | IP65 double insulation conforming to IEC 60529                            |

## Offer Sustainability

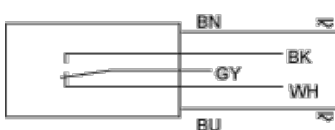
|  |  |
|--|--|
| Not Green Premium product  | Not Green Premium product  |
| Compliant - since 0841 - Schneider Electric declaration of conformity  | Compliant - since 0841 - Schneider Electric declaration of conformity  |
| Available  | Available  |
| Available  | Available  |
| WARNING: This product can expose you to chemicals including:   | WARNING: This product can expose you to chemicals including:   |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Dimensions



## Wiring Schemes

### Relay Output



BN : Brown

BU : Blue

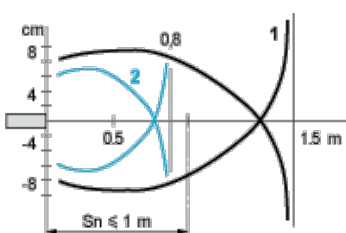
NO/BK :Black

Relay Grey

common/GY :

NC/WH :White

## Detection Curves



1 : White 90%

2 : Grey 18%  
Object 10 x 10 cm