

# XU1N18NP341L5

photo-electric sensor - XU1 - reflex - Sn 4m -  
12..24VDC - cable 5m



## Main

|                               |                                  |
|-------------------------------|----------------------------------|
| Range of product              | OsiSense XU                      |
| Series name                   | Application food and beverage    |
| Electronic sensor type        | Photo-electric sensor            |
| Sensor name                   | XU1                              |
| Sensor design                 | Cylindrical M18                  |
| Detection system              | Reflex                           |
| Material                      | Stainless steel                  |
| Line of sight type            | Axial                            |
| Type of output signal         | Discrete                         |
| Supply circuit type           | DC                               |
| Wiring technique              | 3-wire                           |
| Discrete output type          | NPN                              |
| Discrete output function      | 1 NO or 1 NC programmable        |
| Electrical connection         | Cable                            |
| Cable length                  | 5 m                              |
| Product specific application  | -                                |
| Emission                      | Infrared reflex                  |
| [Sn] nominal sensing distance | 4 m reflex need reflector XUZC50 |

## Complementary

|                           |                                                                |
|---------------------------|----------------------------------------------------------------|
| Enclosure material        | Stainless steel : 304 CU                                       |
| Lens material             | PMMA                                                           |
| Maximum sensing distance  | 5.5 m with reflector 50 x 50 mm                                |
| Output type               | Solid state                                                    |
| Add on output             | Without                                                        |
| Add on input              | Programmation                                                  |
| Cable composition         | 4 x 0.34 mm <sup>2</sup>                                       |
| Wire insulation material  | PvR                                                            |
| Cable outer diameter      | 4.2 mm                                                         |
| Status LED                | 1 LED (green) for supply on<br>1 LED (yellow) for output state |
| [Us] rated supply voltage | 12...24 V DC with reverse polarity protection                  |
| Supply voltage limits     | 10...30 V DC                                                   |
| Switching capacity in mA  | <= 100 mA (overload and short-circuit protection)              |
| Switching frequency       | <= 500 Hz                                                      |
| Voltage drop              | <= 1.5 V (closed state)                                        |
| Current consumption       | <= 30 mA (no-load)                                             |
| Delay first up            | <= 15 ms                                                       |
| Delay response            | <= 1 ms                                                        |
| Delay recovery            | <= 1 ms                                                        |
| Setting-up                | Without sensitivity adjustment                                 |
| Diameter                  | 18 mm                                                          |
| Length                    | 62 mm                                                          |
| Kit composition           | Sensor<br>Reflector XUZC50                                     |

## Environment

|                                       |                                                                            |
|---------------------------------------|----------------------------------------------------------------------------|
| Product certifications                | CE<br>CSA<br>UL                                                            |
| Ambient air temperature for operation | -25...55 °C                                                                |
| Ambient air temperature for storage   | -40...70 °C                                                                |
| Vibration resistance                  | 25 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               | IP67 conforming to IEC 60529                                               |