



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | Preventa Safety detection                           |
| Product or component type     | Safety thru-beam transmitter photo-electric sensors |
| Device short name             | XU2S  |
| Product compatibility         | XPSCM1144<br>XPSCM1144P                             |
| [Sn] nominal sensing distance | 26.25 ft (8 m)                                      |

## Complementary

|                           |   |
|---------------------------|---|
| Detection system          | Transmitter-receiver system   |
| [Us] rated supply voltage | 12...24 V DC (10...30 V) against reverse polarity                     |
| Current consumption       | <= 35 mA no-load  |
| Line of sight type        | 90° to case axis  |
| Electrical connection     | Pre-cabled  |
| Cable outer diameter      | 0.2 in (5 mm)   |
| Cable length              | 16.4 ft (5 m)   |
| Cable composition         | 3 x 0.34 mm <sup>2</sup>  |
| Tightening torque         | 24 N.m fixing nut   |
| Marking                   | CE  |
| Material                  | Case : nickel plated brass<br>Lenses : PMMA (polymethyl methacrylate) |
| Product weight            | 0.52 lb(US) (0.235 kg)  |

## Environment

|                                       |  |
|---------------------------------------|--|
| ambient air temperature for operation | -13...131 °F (-25...55 °C)                               |
| ambient air temperature for storage   | -40...158 °F (-40...70 °C)                               |
| IP degree of protection               | IP67 conforming to EN/IEC 60529                          |
| shock resistance                      | 30 gn (3 axes : 3 times) conforming to EN/IEC 60068-2-27 |
| vibration resistance                  | 7 gn (f = 10...55 Hz) conforming to EN/IEC 60068-2-6     |

## Offer Sustainability

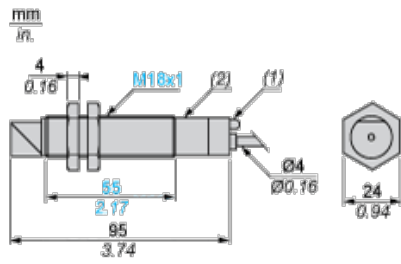
|  |  |
|--|--|
| Not Green Premium product  | Not Green Premium product  |
| Compliant - since 0924 - Schneider Electric declaration of conformity  | Compliant - since 0924 - Schneider Electric declaration of conformity  |
| Reference not containing SVHC above the threshold  | Reference not containing SVHC above the threshold  |
| 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>                              |

## Contractual warranty

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

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Dimensions



- (1) LED
- (2) Potentiometer

## Wiring Schemes (3-wire DC)

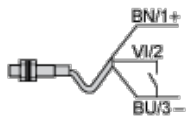
### Transmitter



- BU : Blue
- BN : Brown
- VI : Violet
- (1) Test

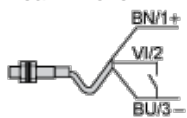
### Beam Break Test

Beam Made



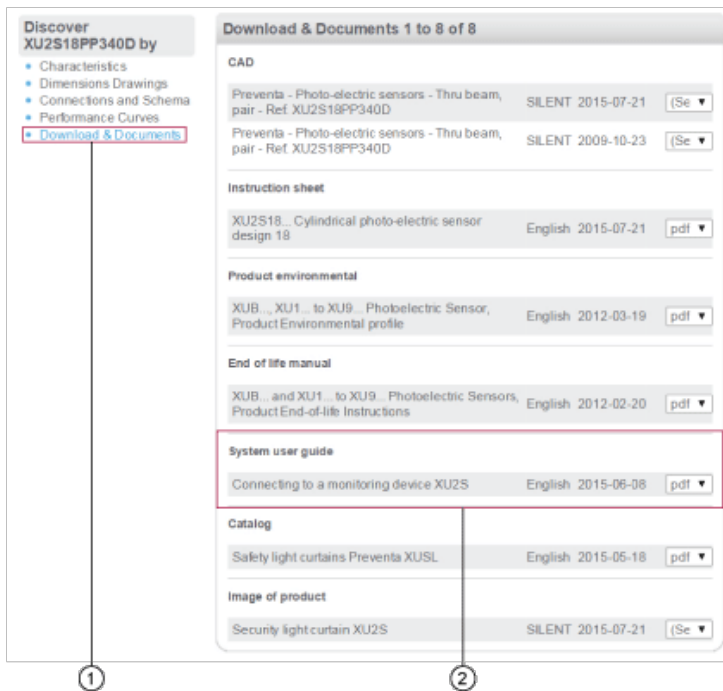
- BU : Blue
- BN : Brown
- VI : Violet

Beam Broken



- BU : Blue
- BN : Brown
- VI : Violet

## Connecting to a Safety Module

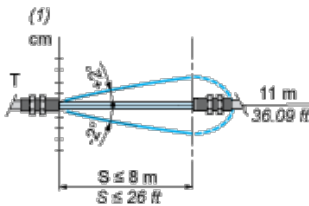


- 1 : Click on Download & Documents
- 2 : Click on System user guide

To have all connection schematics concerning our safety module, select "download and document" and download the file "Connecting to a monitoring device XU2S"

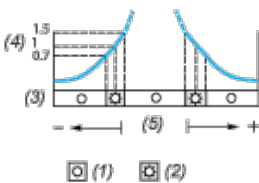
## Curves

### Infrared Detection Curve



- (1)  $\varnothing$  of beam

### Verification of Correct Operation



- (1) LED off
- (2) LED on
- (3) Red LED
- (4) Signal level
- (5) Optimum alignment