



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Preventa Safety detection                        |
| Product or component type     | Safety thru-beam receiver photo-electric sensors |
| Device short name             | XU2S   |
| Product compatibility         | XPSCM1144<br>XPSCM1144P                          |
| Output type                   | 1 safety outputs OSSD PNP                        |
| [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        | Along case axis   |
| Electrical connection     | Pre-cabled  |
| Cable outer diameter      | 0.2 in (5 mm)   |
| Cable length              | 16.4 ft (5 m)   |
| Cable composition         | 4 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            | 0.55 lb(US) (0.25 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     |

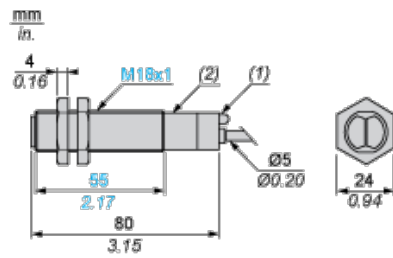
## Offer Sustainability

|  |  |
|--|--|
| Not Green Premium product  | Not Green Premium product  |
| Compliant - since 1440 - Schneider Electric declaration of conformity  | Compliant - since 1440 - 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 |
|-----------------|-----------|

## Dimensions

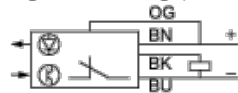


- (1) LED
- (2) Potentiometer

## Wiring Schemes (3-wire DC)

### Receiver

Light switching (no object present). PNP output



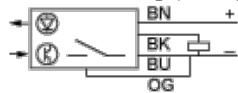
BN : Brown

BU : Blue

BK : Black

OG : Orange (programming)

Dark switching (no object present). PNP output



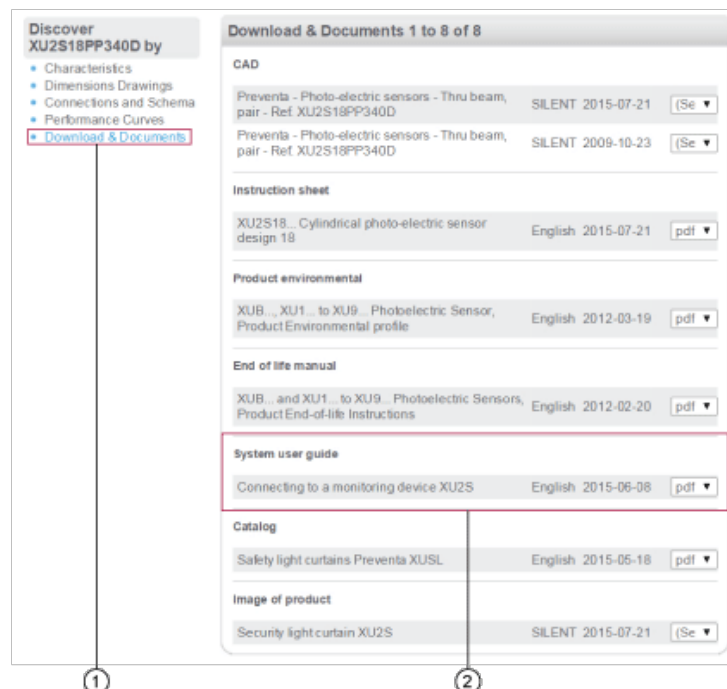
BN : Brown

BU : Blue

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## Connecting to a Safety Module



1 : Click on Download & Documents

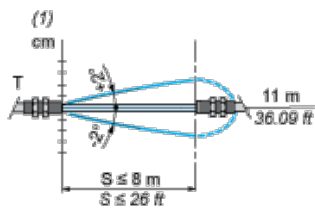
2 : Click on System user guide

To have all connection schematics concerning our safety module, select "download and document" and download the file "Connecting

to a monitoring device XU2S"

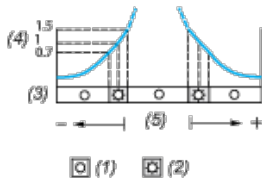
## Curves

### 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