



## Main

|                               |                                                     |
|-------------------------------|-----------------------------------------------------|
| Range of product              | Telemecanique Safety light curtains XUSL            |
| Product or component type     | Safety thru-beam transmitter photo-electric sensors |
| Device short name             | XU2S                                                |
| Product compatibility         | XPSCM1144<br>XPSCM1144P                             |
| [Sn] nominal sensing distance | 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     | 1 male connector M12, 4 pins                                        |
| Tightening torque         | 24 N.M fixing nut<br>2 N.m connector                                |
| Marking                   | CE                                                                  |
| Material                  | Nickel plated brass: case<br>PMMA (polymethyl methacrylate): lenses |
| Net weight                | 0.075 kg                                                            |

## Environment

|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Ambient air temperature for operation | -25...55 °C                                            |
| Ambient air temperature for storage   | -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    |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 4.2 cm |
| Package 1 Width              | 6.7 cm |
| Package 1 Length             | 9.6 cm |
| Package 1 Weight             | 85 g   |

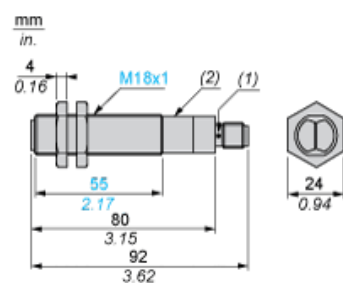
## Offer Sustainability

|                                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status                   | Green Premium product                                                                                                                                                                                                                                                                                                                                                             |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: 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. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>                                                                                                                                                                                                                                                                                                    |

## Contractual warranty

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

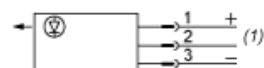
## Dimensions



- (1) LED  
(2) Potentiometer

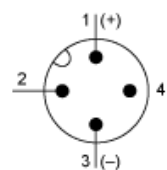
## Wiring Schemes (3-wire DC)

### Transmitter



(1) Test

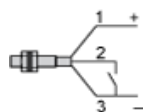
### Connector Pin View



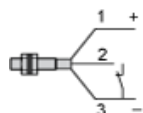
- (1) (+)
- (2) Test
- (3) (-)

### Beam Break Test

Beam Made



Beam Broken



## Connecting to a Safety Module

Discover  
XU2S18PP340D by

- Characteristics
- Dimensions Drawings
- Connections and Schema
- Performance Curves
- **Download & Documents**

Download & Documents 1 to 8 of 8

CAD

Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D
SILENT 2015-07-21
(Se ▼)

Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D
SILENT 2009-10-23
(Se ▼)

Instruction sheet

XU2S18... Cylindrical photo-electric sensor design 18
English 2015-07-21
pdf ▼

Product environmental

XUB... XU1... to XU9... Photoelectric Sensor, Product Environmental profile
English 2012-03-19
pdf ▼

End of life manual

XUB... and XU1... to XU9... Photoelectric Sensors, Product End-of-life Instructions
English 2012-02-20
pdf ▼

System user guide

Connecting to a monitoring device XU2S
English 2015-06-08
pdf ▼

Catalog

Safety light curtains Preventa XUSL
English 2015-05-18
pdf ▼

Image of product

Security light curtain XU2S
SILENT 2015-07-21
(Se ▼)

1

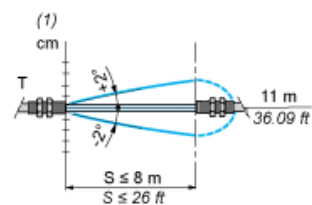
2

- 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"

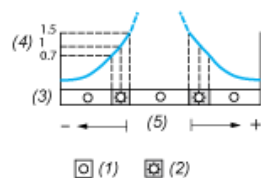
## Curves

### Infrared Detection Curve



(1) Ø of beam

### Verification of Correct Operation



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