



## Main

Range of product	Telemecanique Safety light curtains XUSL
Product or component type	Safety thru-beam receiver photo-electric sensors
Device short name	XU2S
Product compatibility	XPSCM1144 XPSCM1144P
Output type	1 safety outputs OSSD PNP
[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	90° to case axis
Electrical connection	Pre-cabled
Cable outer diameter	5 mm
Cable length	5 m
Cable composition	4 x 0.34 mm <sup>2</sup>
Tightening torque	24 N.m fixing nut
Marking	CE
Material	Nickel plated brass: case PMMA (polymethyl methacrylate): lenses
Net weight	0.25 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

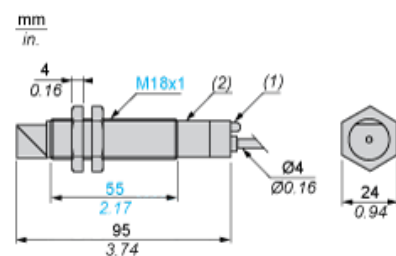
## Offer Sustainability

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
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## Dimensions

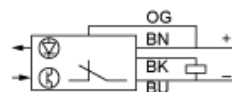


- (1) LED  
(2) Potentiometer

## Wiring Schemes (3-wire DC)

### Receiver

Light switching (no object present). PNP output



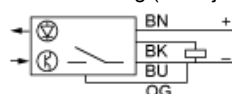
BN : Brown

BU : Blue

BK : Black

OG : Orange (programming)

Dark switching (no object present). PNP output



BN : Brown

BU : Blue

BK : Black

OG : Orange (programming)

## 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 ▼
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Product environmental

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

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

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

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

Security light curtain XU2S	SILENT	2015-07-21	(Se ▼)
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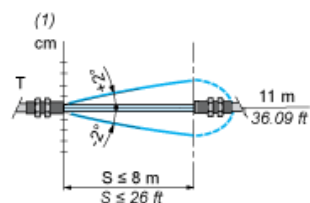
1 : Click on Download & Documents

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"

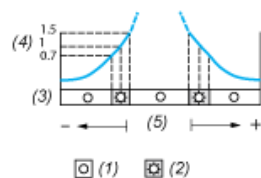
## Curves

### 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