



## 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 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	Along case axis
Electrical connection	1 male connector M12 4 pins
Tightening torque	24 N.m fixing nut 2 N.m connector
Marking	CE
Material	Case : nickel plated brass Lenses : PMMA (polymethyl methacrylate)
Product weight	0.08 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

## Offer Sustainability

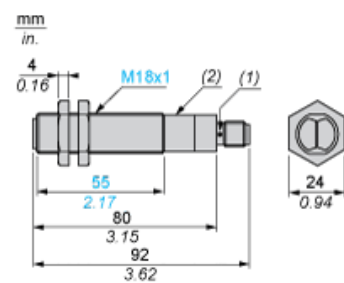
RoHS (date code: YYWW)	Compliant - since 1440 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
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REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
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## Contractual warranty

Warranty period	18 months
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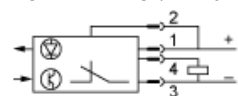
## Dimensions



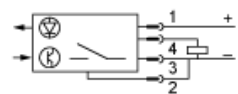
## Wiring Schemes (3-wire DC)

### Receiver

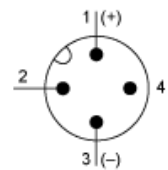
Light switching (no object present). PNP output



Dark switching (no object present). PNP output



### Connector Pin View



- (1) (+)
- (2) Programming
- (3) (-)
- (4) Output

## 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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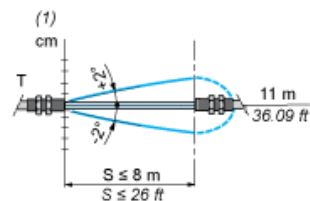
1 : Click on Download & Documents

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"

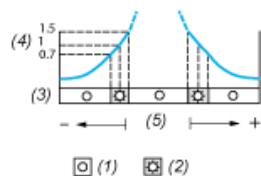
## Curves

### Infrared Detection Curve



(1) Ø of beam

### Verification of Correct Operation



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