



## 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	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
Product 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

Offer Sustainability

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REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

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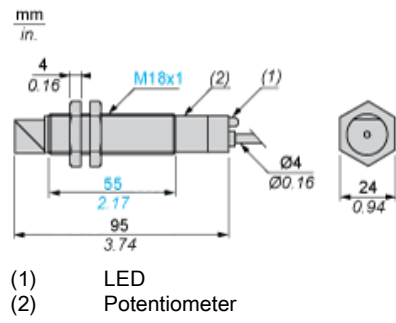
Contractual warranty

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Warranty	18 months
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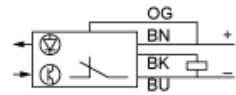
Dimensions



## Wiring Schemes (3-wire DC)

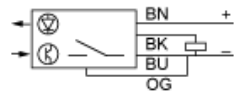
### Receiver

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**

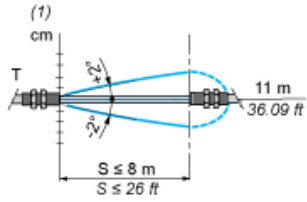
Security light curtain XU2S	SILENT 2015-07-21	(Se ▼)
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- 1 : Click on Download & Documents
- 2 : Click on System user guide

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

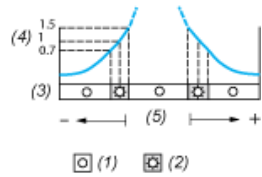
Curves

Infrared Detection Curve



(1) Ø of beam

Verification of Correct Operation



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