



### Main

Range of product	Preventa Safety detection
Product or component type	Safety thru-beam transmitter photo-electric sensors
Device short name	XU2S
Product compatibility	XPSCM1144 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 2 N.m connector
Marking	CE
Material	Case : nickel plated brass Lenses : PMMA (polymethyl methacrylate)
Product 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

### Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0924 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold

Reference not containing SVHC above the threshold

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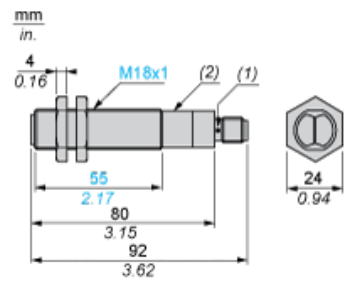
### Contractual warranty

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Warranty period	18 months
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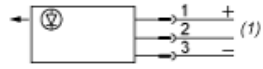
Dimensions



- (1) LED
- (2) Potentiometer

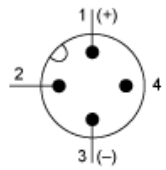
## Wiring Schemes (3-wire DC)

### Transmitter



(1) Test

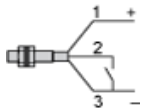
### Connector Pin View



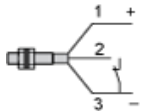
(1) (+)  
(2) Test  
(3) (-)

### Beam Break Test

Beam Made



Beam Broken



## Connecting to a Safety Module

The screenshot shows a web interface for product documentation. On the left, under 'Discover XU2S18PP340D by', there is a list of categories: Characteristics, Dimensions Drawings, Connections and Schema, Performance Curves, and Download & Documents. The 'Download & Documents' link is highlighted with a red box and a circled '1' below it. On the right, the 'Download & Documents 1 to 8 of 8' section is shown. It contains several document categories: CAD, Instruction sheet, Product environmental, End of life manual, System user guide, Catalog, and Image of product. The 'System user guide' category is highlighted with a red box and a circled '2' below it. A document titled 'Connecting to a monitoring device XU2S' is listed under this category.

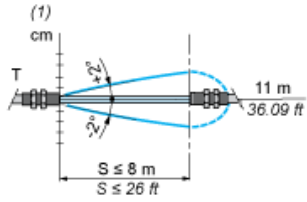
Document Title	Language	Date	Format
Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D	SILENT	2015-07-21	(Se ▼)
Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D	SILENT	2009-10-23	(Se ▼)
XU2S18...Cylindrical photo-electric sensor design 18	English	2015-07-21	pdf ▼
XUB...XU1...to XU9...Photoelectric Sensor, Product Environmental profile	English	2012-03-19	pdf ▼
XUB...and XU1...to XU9...Photoelectric Sensors, Product End-of-life Instructions	English	2012-02-20	pdf ▼
Connecting to a monitoring device XU2S	English	2015-06-08	pdf ▼
Safety light curtains Preventa XUSL	English	2015-05-18	pdf ▼
Security light curtain XU2S	SILENT	2015-07-21	(Se ▼)

- 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"

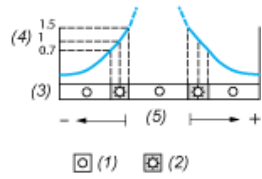
Curves

Infrared Detection Curve



(1)  $\emptyset$  of beam

Verification of Correct Operation



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