

# Product data sheet

## Characteristics

# XU2S18KP340WLDT

Safety thru beam transmitter photo electric  
sensors, Preventa Safety detection, light  
curtain XU2 S, of body, 12...24 V, 3 x 0.34  
mm<sup>2</sup>



### 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 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	90° to case axis
Electrical connection	1 remote connector M12, 4 pins
Cable outer diameter	5 mm
Cable length	5 m
Cable composition	3 x 0.34 mm <sup>2</sup>
Tightening torque	24 N.M fixing nut 2 N.m connector
Marking	CE
Material	Nickel plated brass: case PMMA (polymethyl methacrylate): lenses
Net weight	0.18 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	6.6 cm
Package 1 Width	9.4 cm
Package 1 Length	13.0 cm
Package 1 Weight	200.0 g

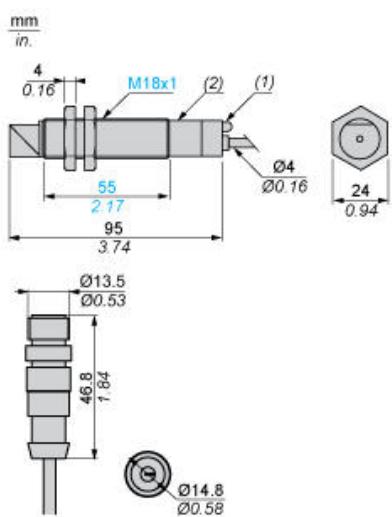
## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	<p>WARNING: This product can expose you to chemicals including: Diisobutyl 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></p>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

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Dimensions

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(1) LED  
(2) Potentiometer

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### Wiring Schemes (3-wire DC)

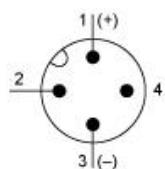
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#### Transmitter



(1) Test

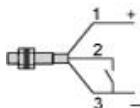
#### Connector Pin View



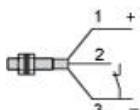
(1) (+)  
(2) Test  
(3) (-)

#### Beam Break Test

##### Beam Made



##### Beam Broken



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### Connecting to a Safety Module

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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, SILENT 2015-07-21 [Se ▾]  
pair - Ref XU2S18PP340D

Preventa - Photo-electric sensors - Thru beam, SILENT 2009-10-23 [Se ▾]  
pair - Ref XU2S18PP340D

**Instruction sheet**

XU2S18 - Cylindrical photo-electric sensor English 2015-07-21 pdf ▾

**Product environmental**

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

**End of life manual**

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

**System user guide**

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

**Catalog**

Safety light curtains Preventa XUSL English 2015-06-18 pdf ▾

**Image of product**

Security light curtain XU2S SILENT 2015-07-21 [Se ▾]

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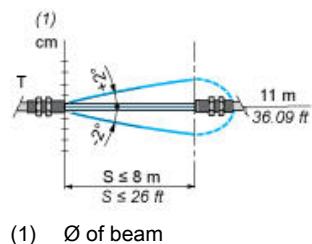
1 : Click on Download & Documents

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"

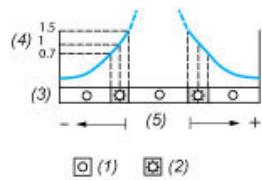
## Curves

### 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