



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 ²
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

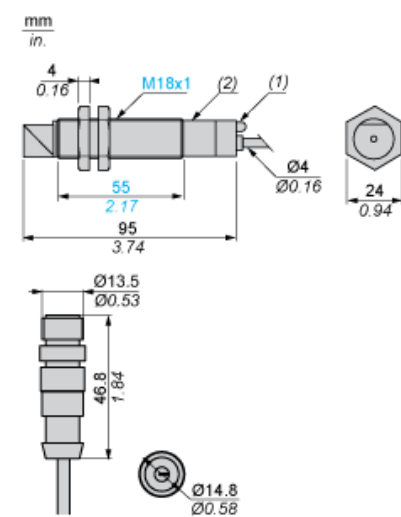
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	200 g
Package 1 Height	6.6 cm
Package 1 width	9.4 cm
Package 1 Length	13 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

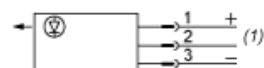
Dimensions



- (1) LED
- (2) Potentiometer

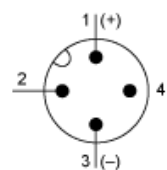
Wiring Schemes (3-wire DC)

Transmitter



(1) Test

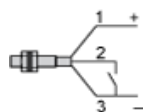
Connector Pin View



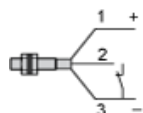
- (1) (+)
- (2) Test
- (3) (-)

Beam Break Test

Beam Made



Beam Broken



Connecting to a Safety Module

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 ▼
---	--------------------	-------

Product environmental

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

End of life manual

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

System user guide

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

Catalog

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

Image of product

Security light curtain XU2S	SILENT 2015-07-21	(Se ▼)
-----------------------------	-------------------	--------

①

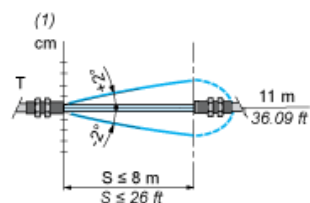
②

- 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"

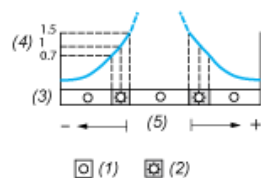
Curves

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