



Main

Range of product	Preventa Safety detection
Product or component type	Safety thru-beam receiver photo-electric sensors
Device short name	XU2S
Product compatibility	XPSCM1144P XPSCM1144
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	1 male connector M12, 4 pins
Tightening torque	24 N.m fixing nut 2 N.m connector
Marking	CE
Material	Nickel plated brass: case PMMA (polymethyl methacrylate): lenses
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

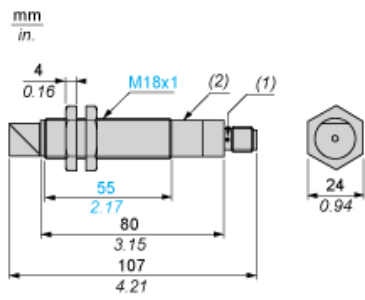
Sustainable offer status	Green Premium product
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REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile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

Contractual warranty

Warranty	18 months
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Dimensions

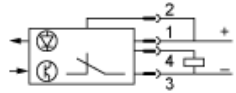


- (1) LED
- (2) Potentiometer

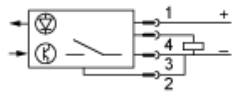
Wiring Schemes (3-wire DC)

Receiver

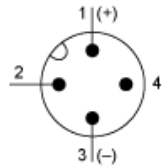
Light switching (no object present). PNP output



Dark switching (no object present). PNP output



Connector Pin View



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

Connecting to a Safety Module

The screenshot shows a product page for XU2S18PP340WDR. On the left, under 'Discover XU2S18PP340D by', there are several links: Characteristics, Dimensions Drawings, Connections and Schema, Performance Curves, and Download & Documents (highlighted with a red box and labeled 1). The main content area is titled 'Download & Documents 1 to 8 of 8' and lists various documents under different categories: CAD, Instruction sheet, Product environmental, End of life manual, System user guide, Catalog, and Image of product. The 'System user guide' section is highlighted with a red box and labeled 2, containing the document 'Connecting to a monitoring device XU2S'.

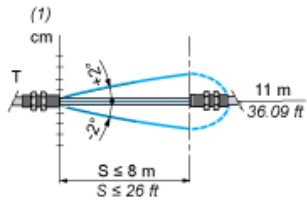
Category	Document Title	Language	Date	Format
CAD	Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D	SILENT	2015-07-21	(Se ▼)
	Preventa - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D	SILENT	2009-10-23	(Se ▼)
Instruction sheet	XU2S18...Cylindrical photo-electric sensor 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 : 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"

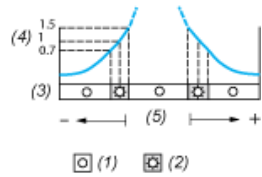
Curves

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