

Product availability: Non-Stock - Not normally stocked in distribution facility



## 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	26.25 ft (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	0.18 lb(US) (0.08 kg)

## Environment

Ambient air temperature for operation	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-40...158 °F (-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

## Ordering and shipping details

Category	22477 - SAFETY MODULES (PREVENTA)
Discount Schedule	SAF2
GTIN	00785901928829
Nbr. of units in pkg.	1
Package weight(Lbs)	0.6500000000000002
Returnability	N
Country of origin	FR

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

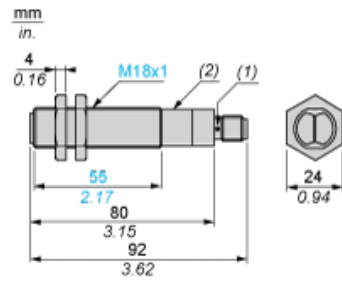
## Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1440 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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Dimensions

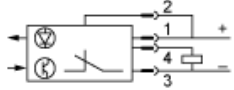


- (1) LED
- (2) Potentiometer

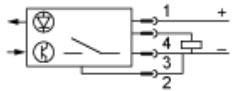
Wiring Schemes (3-wire DC)

Receiver

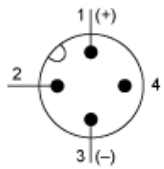
Light switching (no object present). PNP output



Dark switching (no object present). PNP output



Connector Pin View



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

Connecting to a Safety Module

**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, ProductEnvironmental profile	English 2012-03-19	[pdf ▼]
End of life manual		
XUB... and XU1... to XU9... Photoelectric Sensors, ProductEnd-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 ▼]

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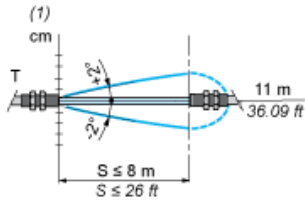
②

- 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"

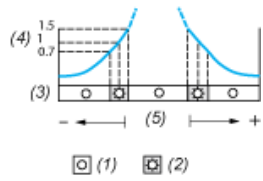
Curves

Infrared Detection Curve



(1)  $\emptyset$  of beam

Verification of Correct Operation



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

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[FE7C-FRC6S-M](#) [FX-305](#) [PM-R24-R](#) [Q45VR2FPQ](#) [13104RQD07](#) [E3JUXM4MN](#) [E3L2DC4](#) [E3S3LE21](#) [E3SCT11M1J03M](#) [E3SDS20E21](#)  
[E3VDS70C43S](#) [E3XNM16](#) [BR23P](#) [HOA6563-001](#) [OJ-3307-30N8](#) [OS-311A-30](#) [P32013](#) [P34036](#) [P43004](#) [P56001](#) [P60001](#) [PB10CNT15PO](#)  
[S14132](#) [935286-000](#) [S52101](#) [S56258](#) [SH-21E](#) [EX-L261-P](#) [FD-SN500](#) [FE7B-FDRB6-M](#) [SU-79](#) [T36342](#) [T40300](#) [T60001](#) [PD60CNX20BP](#)  
[FX-302-HY](#) [FZS](#) [PM-T64W](#) [PX-22](#) [PZ2-51P](#) [CX-491-P-J](#) [CYNUTX10](#)