



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	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	Pre-cabled
Cable outer diameter	5 mm
Cable length	5 m
Cable composition	4 x 0.34 mm ²
Tightening torque	24 N.m fixing nut
Marking	CE
Material	Lenses : PMMA (polymethyl methacrylate) Case : nickel plated brass
Product weight	0.25 kg

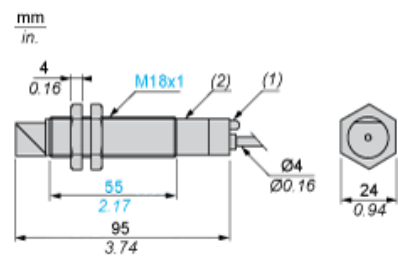
Environment

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	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual

Dimensions

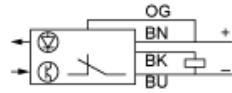


- (1) LED
- (2) Potentiometer

Wiring Schemes (3-wire DC)

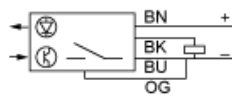
Receiver

Light switching (no object present). PNP output



BN : Brown
BU : Blue
BK : Black
OG : Orange (programming)

Dark switching (no object present). PNP output



BN : Brown
BU : Blue
BK : Black
OG : Orange (programming)

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

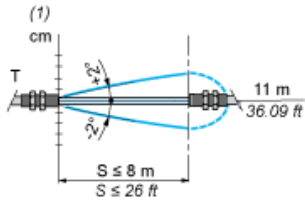
- Security light curtain XU2S SILENT 2015-07-21 (Se ▼)

- 1 : 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"

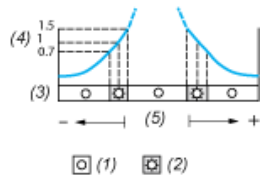
Curves

Infrared Detection Curve



(1) \varnothing of beam

Verification of Correct Operation



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