

Product data sheet

Characteristics

XU2S18PP340WLDR

Safety thru beam receiver photo electric sensors, Preventa Safety detection, light curtain XU2 S, of body, Sn 8 m, 12...24 VDC, M12



Main

Range of product	Telemecanique Safety light curtains XUSL
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	1 remote connector M12, 4 pins
Cable outer diameter	5 mm
Cable length	5 m
Cable composition	4 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

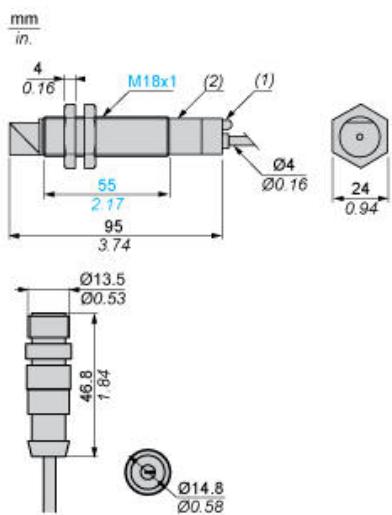
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 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 www.P65Warnings.ca.gov</p>
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Dimensions

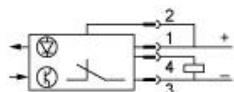


(1) LED
(2) Potentiometer

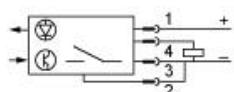
Wiring Schemes (3-wire DC)

Receiver

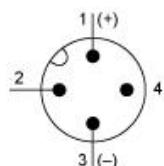
Light switching (no object present). PNP output



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

- Prevents - Photo-electric sensors - Thru beam, pair - Ref. XU2S18PP340D SILENT 2015-07-21 [Se ▾]
- Prevents - 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 ▾]

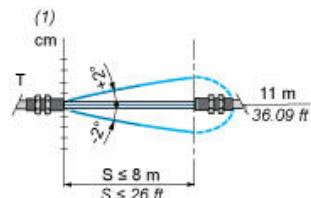
1 : Click on Download & Documents

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"

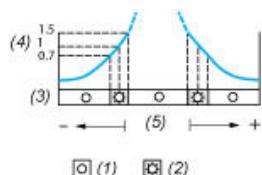
Curves

Infrared Detection Curve



(1) \emptyset of beam

Verification of Correct Operation



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