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 mm²
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

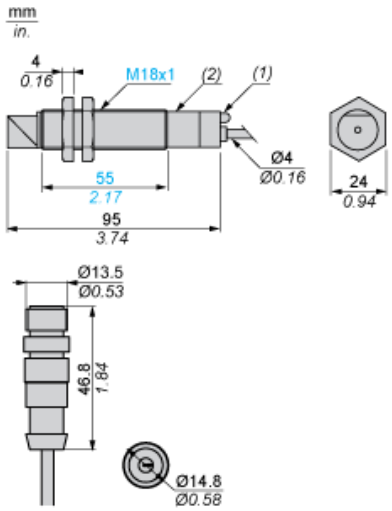
Packing Units

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	WARNING: This product can expose you to chemicals including: Diisononyl 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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Dimensions

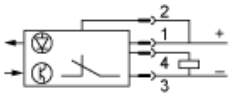


(1) LED
(2) Potentiometer

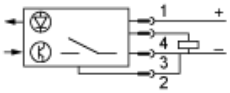
Wiring Schemes (3-wire DC)

Receiver

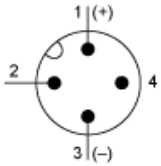
Light switching (no object present). PNP output



Dark switching (no object present). PNP output

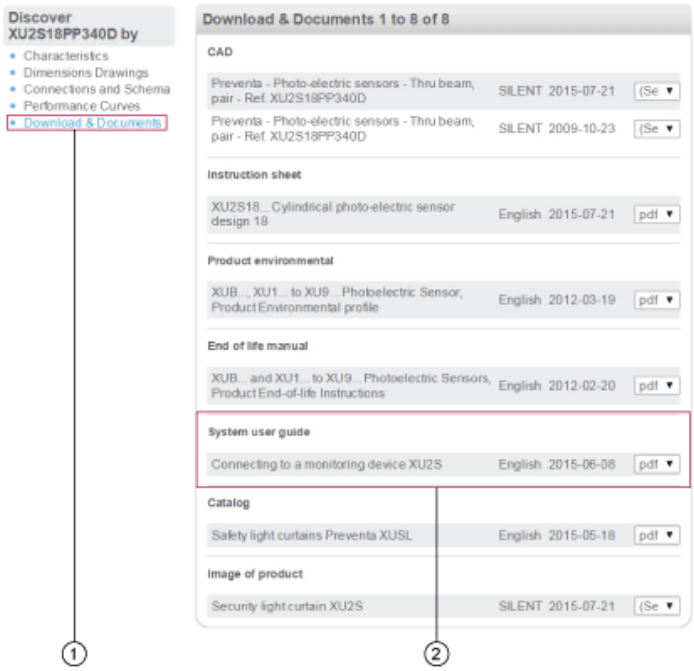


Connector Pin View



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

Connecting to a Safety Module

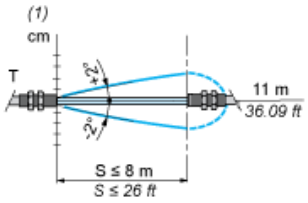


1 : Click on Download & Documents
2 : Click on System user guide

To have all connection schematics concerning our safety module, select "download and document" and download the file "Connecting to a monitoring device XU2S"

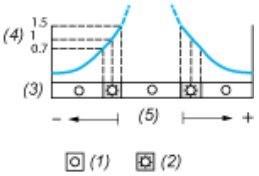
Curves

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