

XU2S18KP340WDT

light curtain transmitter XU2-S - detection of body -
750..1200 mm - 12..24 V



Main

Range of product	Preventa Safety detection
Product or component type	Safety thru-beam transmitter photo-electric sensors
Device short name	XU2S
Product compatibility	XPSCM1144 XPSCM1144P
[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	Case : nickel plated brass Lenses : PMMA (polymethyl methacrylate)
Product weight	0.155 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

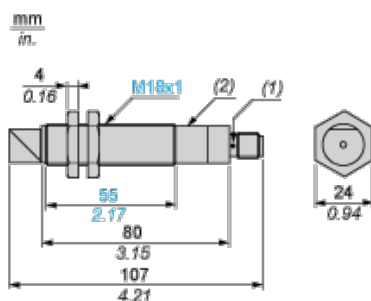
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0924 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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Dimensions



- (1) LED
- (2) Potentiometer

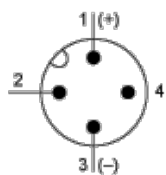
Wiring Schemes (3-wire DC)

Transmitter



- (1) Test

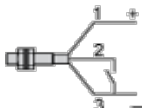
Connector Pin View



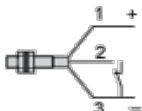
- (1) (+)
- (2) Test
- (3) (-)

Beam Break Test

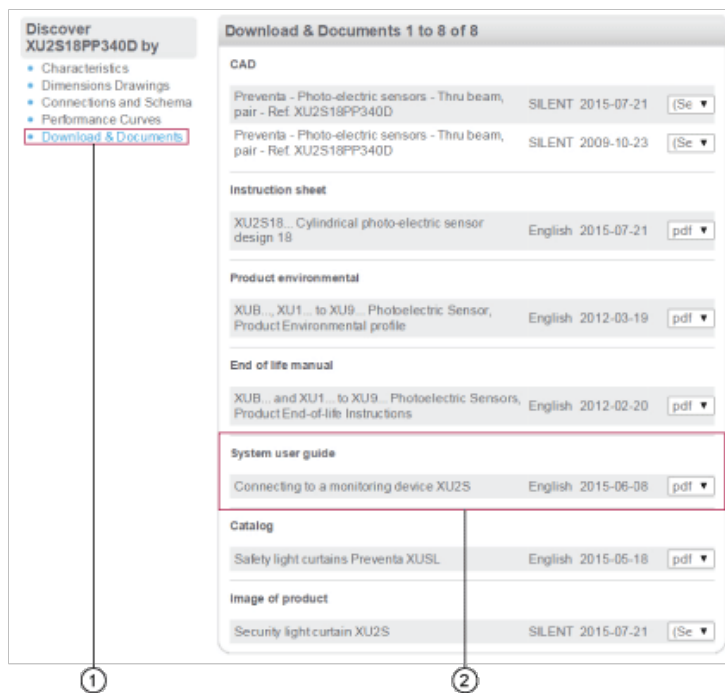
Beam Made



Beam Broken



Connecting to a Safety Module



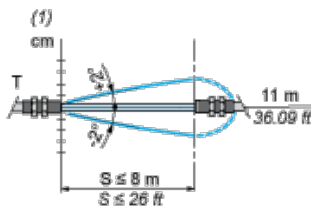
1 : Click on Download & Documents

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"

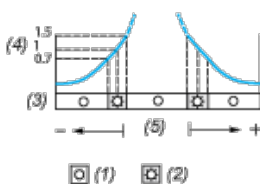
Curves

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