



[TAG[MainCharacteristics]]

Гама на продукта	Preventa Safety detection
Product or component type	Safety thru-beam pair photo-electric sensors
Съкратено наименование на устройството	XU2S
Тип на изходния сигнал	1 safety outputs OSSD PNP
[Sn] nominal sensing distance	8 m

[TAG[ComplemCharacteristics]]

Detection system	Transmitter-receiver system
[Us] номинално захранващо напрежение	12...24 V DC (10...30 V) reverse polarity protection
Консумация на ток	<= 35 mA no-load
Спад на захранването	<= 1.5 V closed state
Switching capacity in mA	<= 100 mA (Защита от претоварване и късо)
Превключвателни честоти	500 Hz maximum
Електрическо свързване	1 male connector M12 4 pins
Line of sight type	Along case axis
Реагиране на закъснение	<= 1 ms
Възстановяване при закъснение	<= 1 ms
Затягащ момент	24 N.m fixing nut 2 N.m connector
Налична функция	Built-in muting function Light or dark programmable switching
Маркировка	CE
Материал	Кутия: nickel plated brass Lenses: PMMA (полиметилметакрилат)
Тегло на продукта	0.155 kg

[TAG[EnvCharacteristics]]

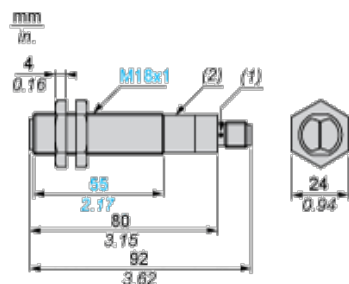
Стандарти	EN/IEC 60825-1 EN/IEC 61496-1 EN/IEC 61496-2
Ниво на безопасност	Type 2 в съответствие с IEC 61496-1-2 Can reach PL = c в съответствие с EN/ISO 13849-1 (associated with module XPSCM correctly wired) Can reach category 2 в съответствие с EN/ISO 13849-1 (associated with module XPSCM correctly wired)
Температура на околния въздух при работа	-25...55 °C
Данни за безопасност	PFH = 4.6E-7 1/h в съответствие с IEC 61508 PFH = 5.5E-7 1/h в съответствие с IEC 61508 (with muting function)
Температура на околния въздух за складиране	-40...70 °C
Степен на защита IP	IP67 в съответствие с EN/IEC 60529
Устойчивост на удар	30 gn (3 axes : 3 times) в съответствие с EN/IEC 60068-2-27
Устойчивост на вибрации	7 gn (f = 10...55 Hz) в съответствие с EN/IEC 60068-2-6

Устойчивост на офертата

Статус на офертата за устойчиво развитие	Продукт, който не е Green Premium
RoHS (дата: YYWW)	Съвместим - от 1005 - Schneider Electric declaration of conformity
REACH	Референцията не съдържа SVHC над прага

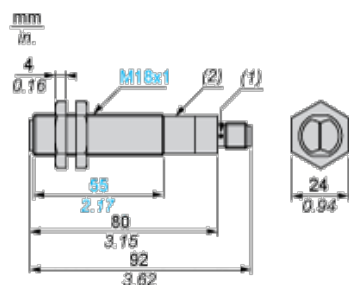
Dimensions

Receiver



- (1) LED
- (2) Potentiometer

Transmitter



- (1) LED
- (2) Potentiometer

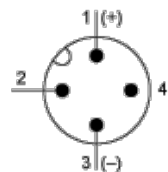
Wiring Schemes (3-wire DC)

Transmitter



- (1) Test

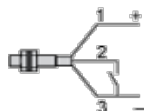
Connector Pin View



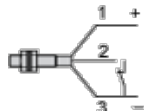
- (1) (+)
- (2) Test
- (3) (-)

Beam Break Test

Beam Made

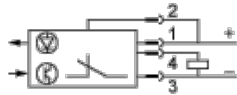


Beam Broken

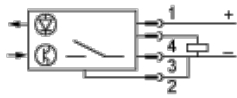


Receiver

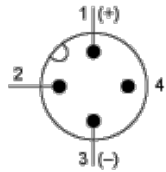
Light switching (no object present). PNP output



Dark switching (no object present). PNP output



Connector Pin View



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

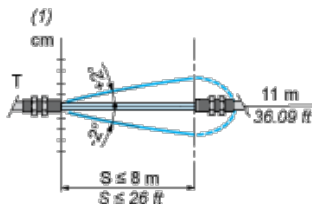
Connecting to a Safety Module

- 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"

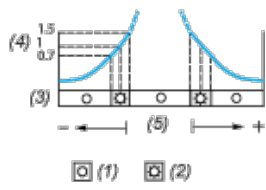
Curves

Infrared Detection Curve



(1) \emptyset of beam

Verification of Correct Operation



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