



### Main

Range of product	OsiSense XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUPK
Detection system	Diffuse Reflex
Emission	Infrared
[Sn] nominal sensing distance	0.1 m 0.6 m
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	2 female connector : RJ45
Material	PC (polycarbonate)

### Complementary

Operating mode	Point-to-point
Product destination	PLC
Topology	PLC program point-to-point
Device application	Picking system
Maximum sensing distance	<= 0.15 m, diffuse infrared with dynamic threshold <= 0.6 m, reflex infrared with reflector
Hysteresis	<= 15 %
Output type	Solid state PNP (NO)
[Us] rated supply voltage	12...24 V
Discrete input voltage	12...24 V
Maximum output current	100 mA
Voltage drop	<= 2 V at output
Current consumption	<= 50 mA, no-load
Delay response	200 ms
Delay recovery	200 ms
Status LED	2 LED green for parts to be taken 1 LED red for wrong taken
Switching capacity in mA	100 mA
Setting-up	Without sensitivity adjustment
Overvoltage category	II
Fixing mode	By clamp By screws
Depth	33 mm
Height	40 mm
Length	92 mm
Product weight	0.035 kg

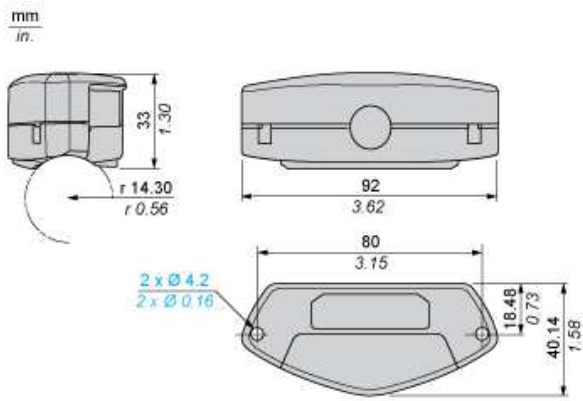
### Environment

Product certifications	CE
Ambient air temperature for operation	-10...60 °C
Environmental characteristic	EMC conforming to EN 60947-5-2

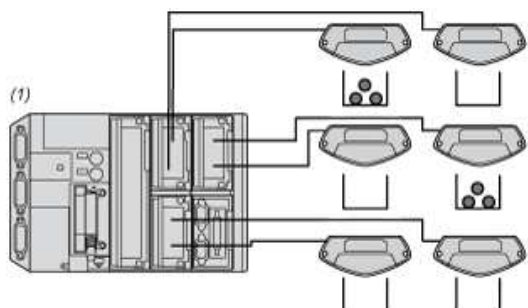
The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.



## Dimensions

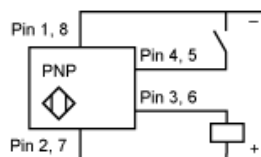


## Direct Point to Point Connection to PLC

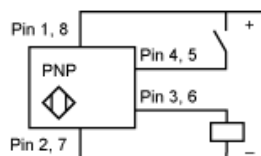


(1) PLC (Programmable logic controller)

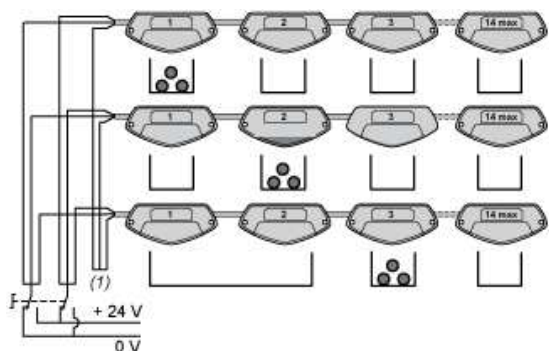
## Connection for Setup Mode



## Connection for Operating Mode

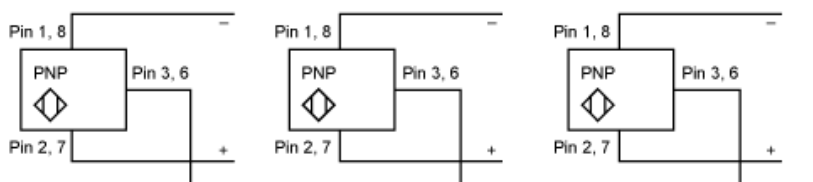


## Single Chained Mode: Daisy Chain of Picking Sensors

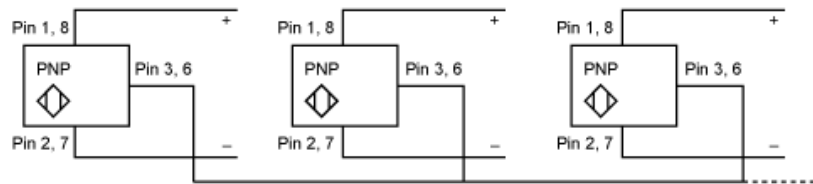


(1) Pin 3 or pin 6 wire connected as a network (see connection here-under).

## Connection for Teaching Mode

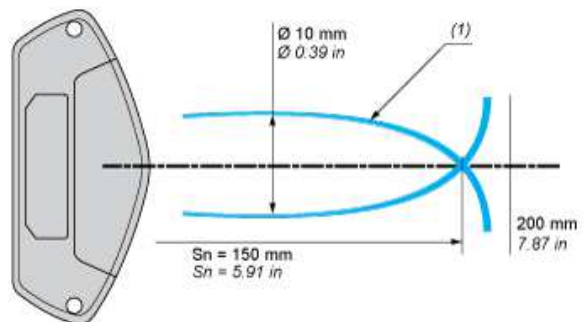


## Connection for Operating Mode



## Detection Curves

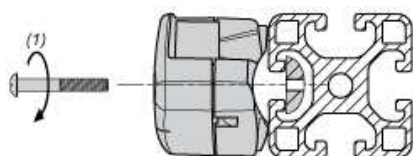
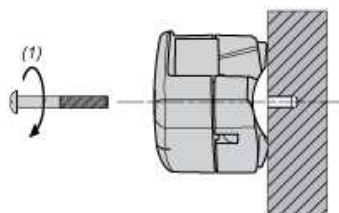
### Detection in a 10 mm/0.39 in. Tubular Beam



(1) Detection zone  
 $S_n$  : Sensing distance

## Mounting

### Mounting on a Flat Panel (Fixation Holes M4)



(1) Maximum tightening torque: 0,8 Nm / 7.08 lb-in.

### Mounting on Tubes (with Plastic Clamps)

