



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	0.6 m 0.1 m
Discrete output function	1 NO
Discrete output type	PNP
Electrical connection	2 female connector : RJ45
Material	PC (polycarbonate)

Complementary

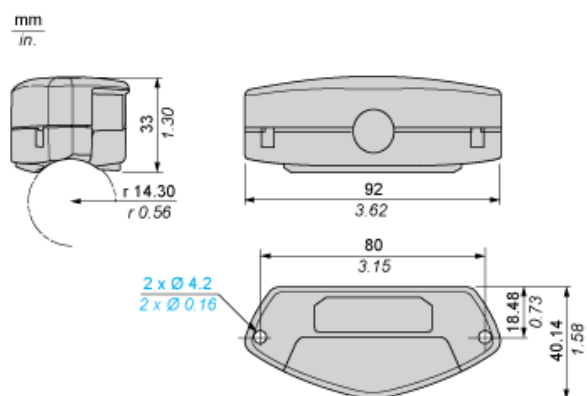
Operating mode	Point-to-point
Product destination	PLC
Topology	PLC program point-to-point
Device application	Picking system
Maximum sensing distance	<= 0.15 m, diffuse infrared with dynamic threshold <= 0.6 m, reflex infrared with reflector
Hysteresis	<= 15 %
Output type	Solid state PNP (NO)
[Us] rated 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

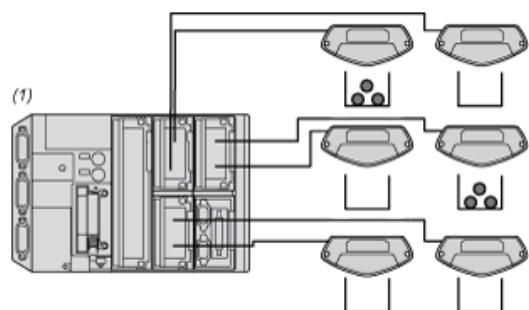
Environment

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

Dimensions

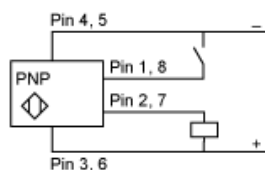


Direct Point to Point Connection to PLC

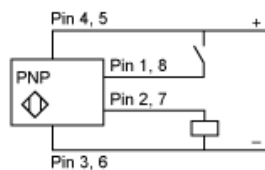


(1) PLC (Programmable logic controller)

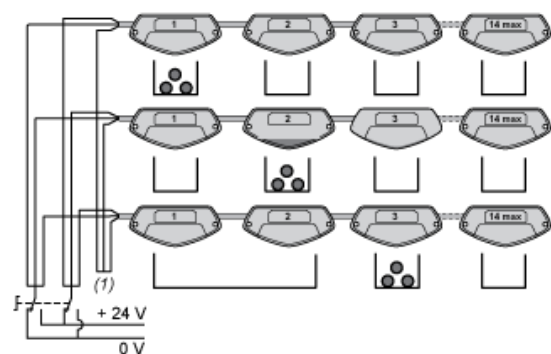
Connection for Setup Mode



Connection for Operating Mode

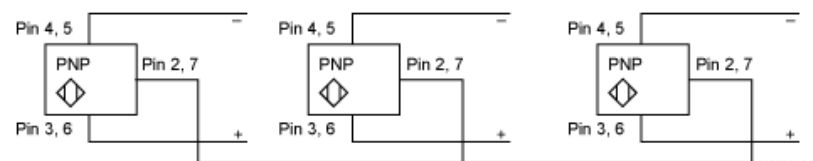


Single Chained Mode: Daisy Chain of Picking Sensors

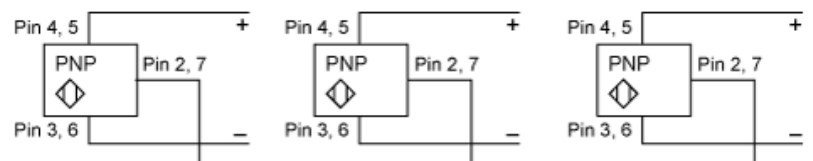


(1) Pin 2 or pin 7 wire connected as a network (see connection here-under).

Connection for Teaching Mode

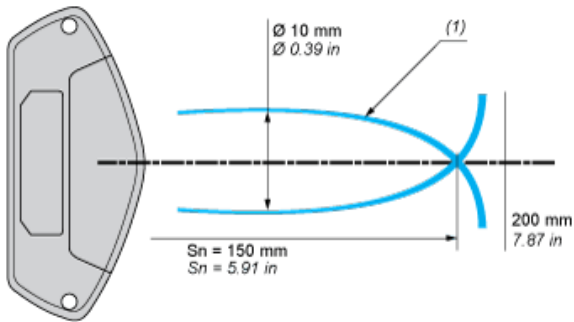


Connection for Operating Mode



Detection Curves

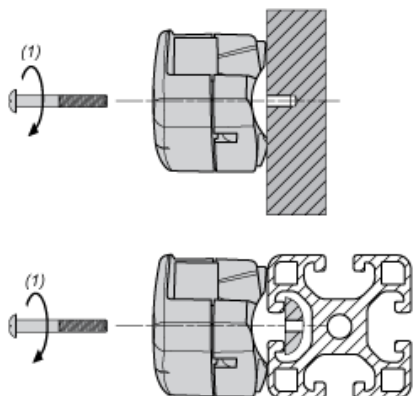
Detection in a 10 mm/0.39 in. Tubular Beam



(1) Detection zone
 S_n : Sensing distance

Mounting

Mounting on a Flat Pannel (Fixation Holes M4)



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

Mounting on Tubes (with Plastic Clamps)

