Product data sheet
Characteristics

XUY250NC2H03M8
Photoelectric sensors XU, Roller Sensor for Conveyor 250 MM N2, ES108 IP50 Hex Fix Cable 30 cm, connect M8

Main

Range of Product	Telemecanique Photoelectric sensors XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Roller sensor
Detection system	Diffuse
Material	Metal
Type of output signal	Discrete
Supply circuit type	DC
Wiring Technique	3-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 remote male connector M8, 4 pins
Cable length	0.98 ft (0.3 m)
Product Specific Application	Conveyor system
Emission	Infrared
[Sn] nominal sensing distance	0.33 ft (0.1 m) diffuse

Complementary

Enclosure Material	Aluminum
Lens material	Polycarbonate
Cover Material	PVC
Pulse frequency	1 kHz
Output Type	Solid state
Status LED	1 LED Yellow output signal
[Us] rated supply voltage	24 V DC reverse polarity protection
Supply voltage limits	18…30 V DC
Switching capacity in mA	100 mA overload and short-circuit protection)
Switching frequency	500 Hz
Maximum voltage drop	<2 V 100 mA closed state)
Current consumption	< 35 mA no-load
Maximum delay response	1 ms
Diameter	0.47 in (12 mm)
Length	9.84 in (250 mm)
Net Weight	0.10 lb(US) (0.045 kg)

Environment

Product Certifications	CCSAus CE
Ambient air temperature for operation	14…131 °F (-10…55 °C)
Ambient Air Temperature for Storage	-4…176 °F (-20…80 °C)
IP degree of protection	IP50 IEC 60529

Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)
Discount Schedule	DS2
GTIN	3389119622998
Nbr. of units in pkg.	1
Package weight(Lbs)	17.64 oz (500 g)
Returnability	No
Country of origin	FR

Packing Units

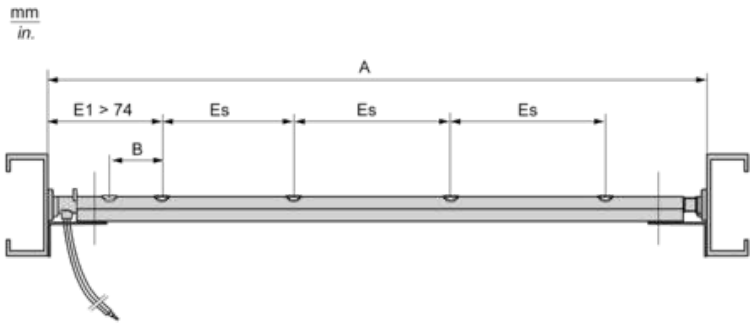
Unit Type of Package 1	PCE
Package 1 Height	3.54 in (9 cm)
Package 1 width	3.54 in (9 cm)
Package 1 Length	24.80 in (63 cm)

Offer Sustainability

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
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration

XUY250NC2H03M8

Dimensions



Dimensions in mm

A	B	ES
250	29	108

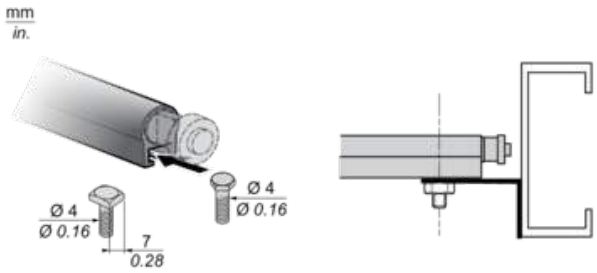
Dimensions in in.

A	B	ES
9.84	1.14	4.25

Mounting

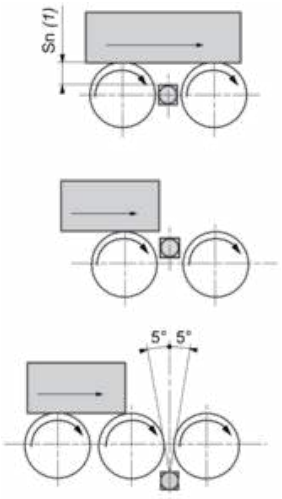
Mounting on the Sides Hexagonal Supports (2 of Each Support are Supplied with the Sensor)

Mounting Underneath (Brackets, Screws and Nuts not Supplied)



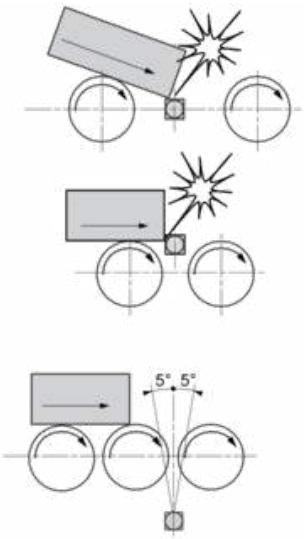
Mounting Precautions

Recommended mounting



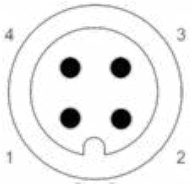
(1) Sn ≤ 100 mm

Not recommended


5°
5°

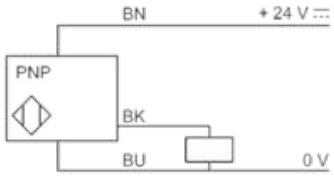
Wiring Schemes

M8 Connector



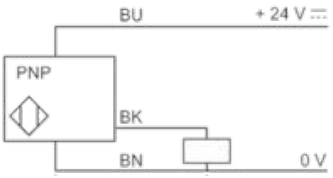
1 : Brown
2 : White (disconnected)
3 : Blue
4 : Black

PNP, NO Output



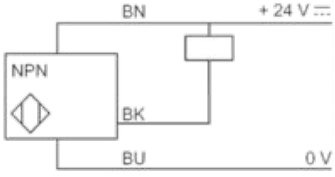
BN : Brown
BU : Blue
BK : Black

PNP, NC Output



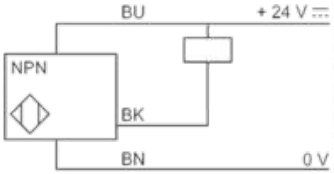
BN : Brown
BU : Blue
BK : Black

NPN, NC Output



BN : Brown
BU : Blue
BK : Black

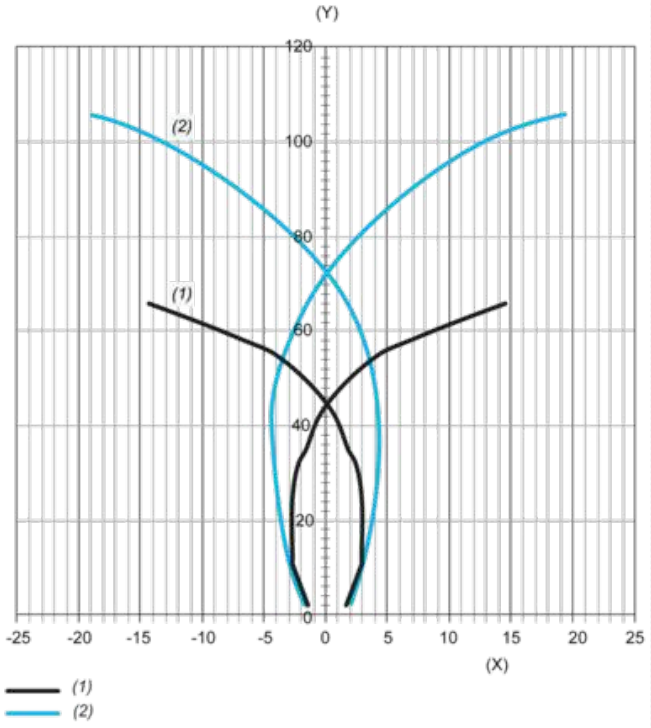
NPN, NO Output



BN : Brown
BU : Blue
BK : Black

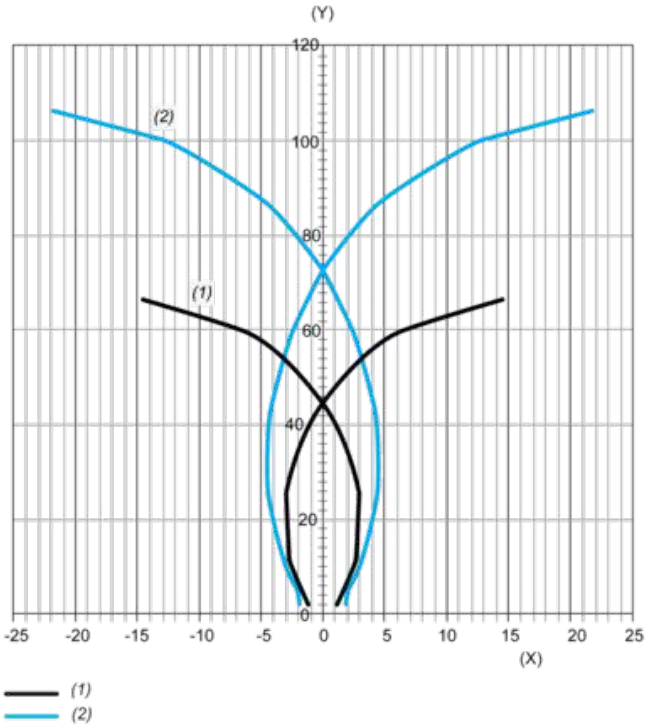
Detection Curves

Conveyor Axis - Load Running Direction



(1) Black 6%
(2) White 92%
(x) Distance between the target and the optical axis in mm
(y) Distance between the target and the sensor in mm

Roller Axis - Direction at Right-angles to Load Running



(1) Black 6%

(2) White 92%

(x) Distance between the target and the optical axis in mm

(y) Distance between the target and the sensor in mm