XUY250NC2H03M8

Roller Sensor for Conveyor 250 MM N2-ES108 IP50 Hex Fix Cable 30cm- connect M8



Main

OsiSense XU
Application
Photo-electric sensor
XUY
Roller sensor
Diffuse
Metal
Discrete
DC
3-wire
PNP or NPN
1 NO or 1 NC programmable
1 remote male connector M8, 4 pins
0.98 ft (0.3 m)
Conveyor system
Infrared
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 color: yellow for output signal	
[Us] rated supply voltage	24 V DC with reverse polarity protection	
Supply voltage limits	1830 V DC	
Switching capacity in mA	100 mA overload and short-circuit protection)	
Switching frequency	500 Hz	
Maximum voltage drop	<2 V at 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	14131 °F (-1055 °C)	
Ambient air temperature for storage	-4176 °F (-2080 °C)	
IP degree of protection	IP50 conforming to IEC 60529	

Ordering and shipping details

Category	22490 - SENSORS-ULTRASONIC (XX5,6)	
Discount Schedule	DS2	
GTIN	03389119622998	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1 lb(US) (0.45 kg)	
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)	

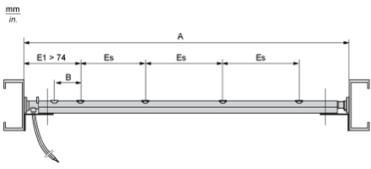
Offer Sustainability

onor odotamasiity		
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) EVEL RoHS Declaration	

Product data sheet Dimensions Drawings

XUY250NC2H03M8

Dimensions



Dimensions in mm

Α	В	ES
250	29	108

Dimensions in in.

A	В	ES
9.84	1.14	4.25

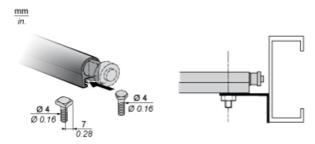
XUY250NC2H03M8

Mounting

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

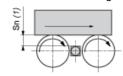


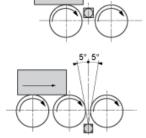
Mounting Underneath (Brackets, Screws and Nuts not Supplied)



Mounting Precautions

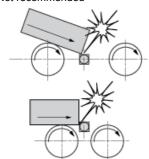
Recommended mounting

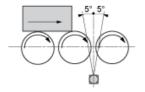




(1) Sn ≤ 100 mm

Not recommended



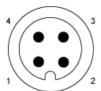


Product data sheet Connections and Schema

XUY250NC2H03M8

Wiring Schemes

M12 Connector

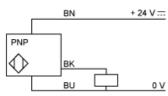


1: Brown

2: White (disconnected)

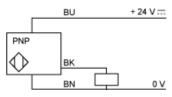
3: Blue 4: Black

PNP, NO Output



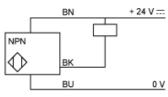
BN: Brown BU: Blue BK: Black

PNP, NC Output



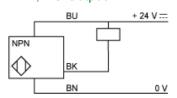
BN: Brown BU: Blue BK: Black

NPN, NC Output



BN: Brown BU: Blue BK: Black

NPN, NO Output

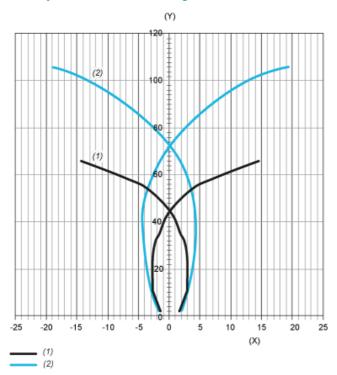


BN: Brown BU: Blue BK: Black

XUY250NC2H03M8

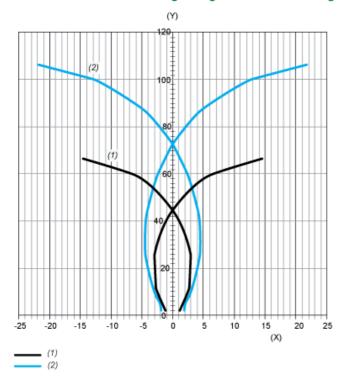
Detection Curves

Conveyor Axis - Load Running Direction



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