Product data sheet
Characteristics

XUY474NB4H2
Roller Sensor for Conveyor 474 MM N4- ES93 IP50 Hex Fix Cable 2m

Product Life Status : END OF STANDARD SERVICE

TODAY
FEB 22, 2021

End of Commercialization
OCT 30, 2020

End of Standard Service
OCT 30, 2020

Main

Range of product	OsiSense 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	Cable
Cable length	2 m
Product specific application	Conveyor system
Emission	Infrared
[Sn] nominal sensing distance	0.1 m diffuse

Product Life Status : END OF STANDARD SERVICE

FEB 22, 2021

End of Commercialization
OCT 30, 2020

End of Standard Service
OCT 30, 2020

Complementary

Enclosure material	Aluminium
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	18…30 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	12 mm
Length	474 mm
Net weight	0.085 kg

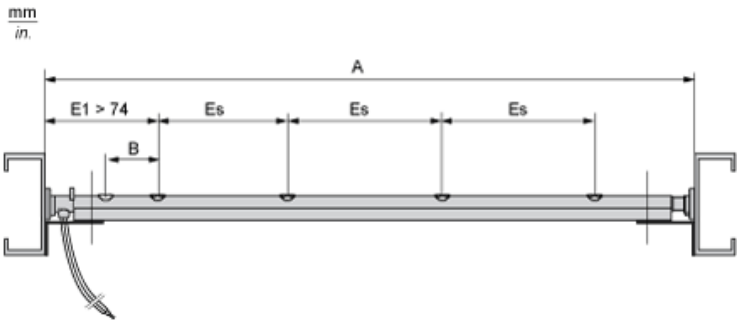
Environment

Product certifications	CE CCSAus
Ambient air temperature for operation	-10…55 °C
Ambient air temperature for storage	-20…80 °C
IP degree of protection	IP50 conforming to IEC 60529

Packing Units

Package 1 Weight	0.800 kg
Package 1 Height	0.900 dm
Package 1 width	0.900 dm
Package 1 Length	6.300 dm

Dimensions



Dimensions in mm

A	B	ES
474	10.4	93.1

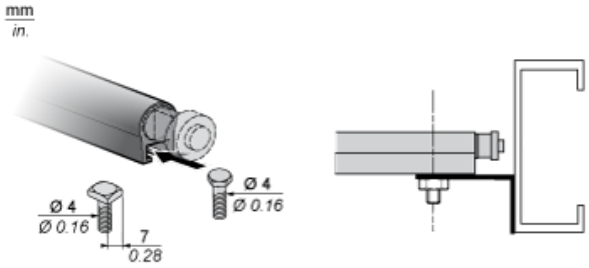
Dimensions in in.

A	B	ES
18.67	0.41	3.67

Mounting

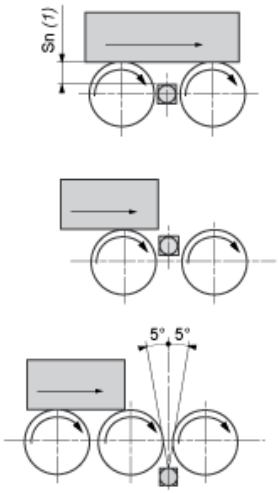
Mounting on the Sides Hexagonal Supports (2 of Each Support are Supplied with the Sensor)

Mounting Underneath (Brackets, Screws and Nuts not Supplied)



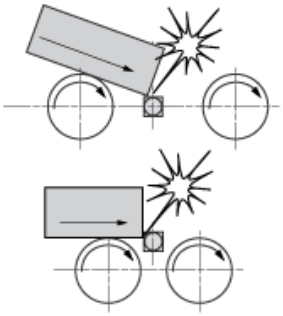
Mounting Precautions

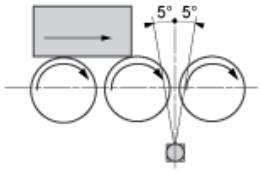
Recommended mounting



(1) Sn ≤ 100 mm

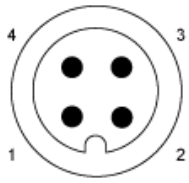
Not recommended





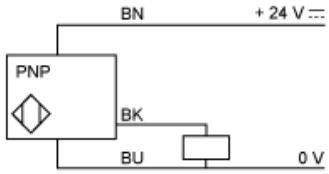
Wiring Schemes

M12 Connector



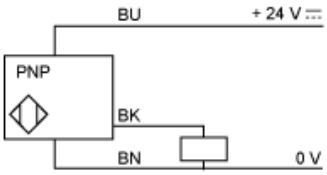
1 : Brown
2 : White (disconnected)
3 : Blue
4 : Black

PNP, NO Output



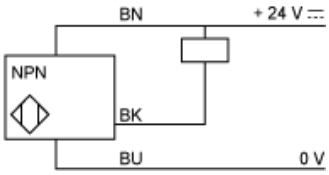
BN : Brown
BU : Blue
BK : Black

PNP, NC Output



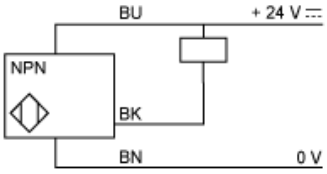
BN : Brown
BU : Blue
BK : Black

NPN, NC Output



BN : Brown
BU : Blue
BK : Black

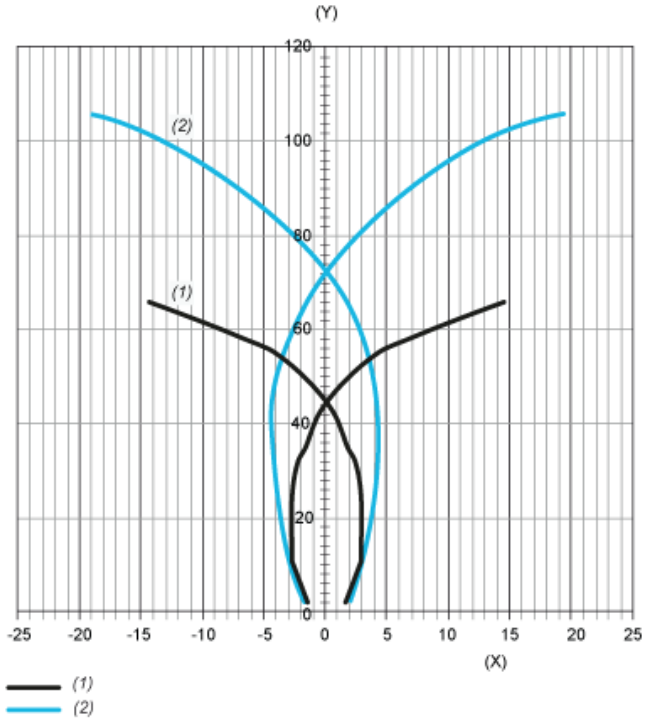
NPN, NO Output



BN : Brown
BU : Blue
BK : Black

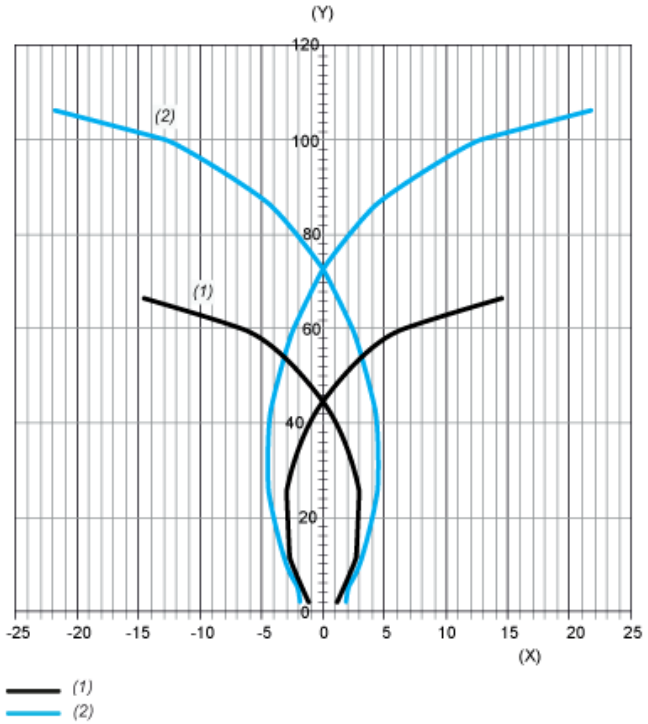
Detection Curves

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