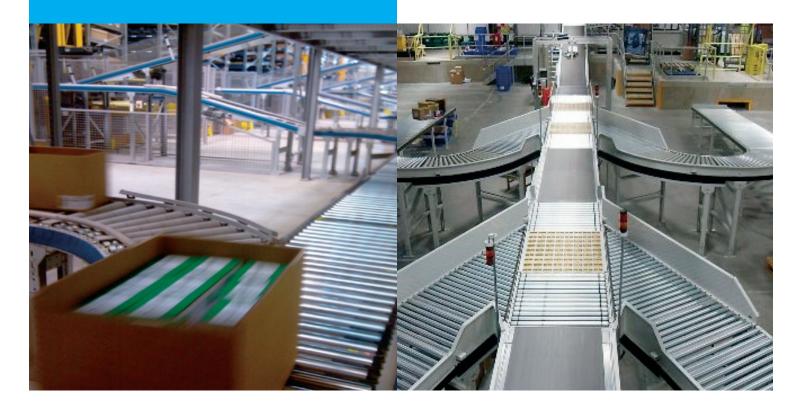
Do you want to simplify the sensor integration in your conveyor systems?

New XUY roller sensors for packet, boxes, letters on roller conveyors.



Telemecanique Sensor's **OsiSense™ XUY** photoelectric sensors are really innovative for fast and smart integration in conveyor systems.

Fast, modular & best installation time:

The sensor is mounted between rollers from the top. No more missing screws to mount your bracket and sensor.

Plug & Play : to see any package, no color effect, and no environment teaching.

Dust protection : special lenses and LED power to avoid dust accumulation

Impact resistant: unique mechanical installation embedded within the conveyor frame to prevent product damage

Full automation integration:

The sensor is compatible with zone controllers from current motorized roller manufacturers or with standard PLC platforms. Different connectors or cable wires are offered.

Typical areas of application:

• Detection of packet, boxes, pallets and letters of paper, carton or metallic material.

Well suited for use in:

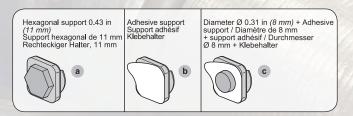
 conveying for manufacturing facilities, warehouses, and retail distribution centers.

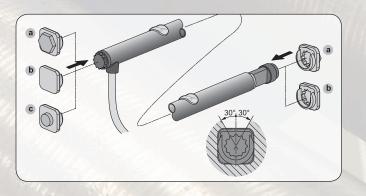


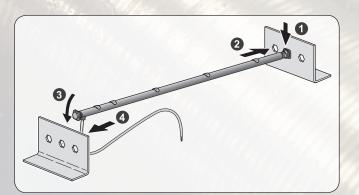
Watch a video and see first hand how easy the XUY Roller Sensor is to mount and operate.



Roller conveyor sensor
 Capteur pour convoyeur à rouleaux
 Sensor für Rollenförderer
 Sensor für Rollenförderer
 Sensor für Rollenförderer
 Deterministic sensor
 Spring side
 Cide ressort
 Cide ressort
 ED Output state (yellow)
 DEL Etat de la sortie (jaune)
 LED Output state (yellow)
 DEL Etat de la sortie (jaune)







Benefits

Fast and simple installation:

- No tools needed
- Easy mounting from the top
- Gain of 50% in installation and adjustment
- 3 mounting solutions (Hexagonal 7/16", Ø 8 mm, or adhesive supports)

Full detection :

- No package color effecting sensor performance due to reliable infra-red sensing technology
- Easy direction adjustment, every 30°
- Full length detection from multiple sensors embedded within the sensor housing
- Convex lens to avoid dust accumulation

Characteristics

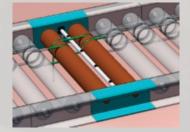
OsiSense[™] XUY Roller Sensor

- Number of sensors: from 1 to 6 alongside the tube
- Detection mode: diffuse infrared
- Sensing distance up to 100 mm
- Dimension: Ø 12 mm, from 200 to 900 mm
- Material case / lens: aluminum / PMMA
- 3 mounting solutions with spring effect:
 - Hexagonal 7/16"
 - Ø8mm
 - Adhesive part
- Supply voltage: 24 V DC
- Connection: M12, 4 pins connector or cable
- Output: PNP/NPN, NO/NC programmable
- Switching frequency: 500 Hz
- Operating temperature: -10°C to to 50°C
- Degree of protection: IP 40 (IP 65 on request)

Please contact Telemecanique Sensors for other length of conveyor lengths (200 to 900mm)

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Product Specification



OsiSense™ XUY XUY415N4HL2 XUY415N4HL03M12

Mechanical Caracteristics: Dimension (width)

Number of sensors

Diameter (case) Sensor pitch Connection Mounting Material

Detection performances:

Case

Detection mode Nominal sensing distance Minimum object size Maximum flow rate

Electrical Caracteristics:

Voltage limits Current consumption Output LED Switching capacity Switching frequency

Environmental characteristics:

Operating temperature IP class

roller conveyor sensor PNP/NPN, NO/NC by cabling cable 2m or remote M12 connector

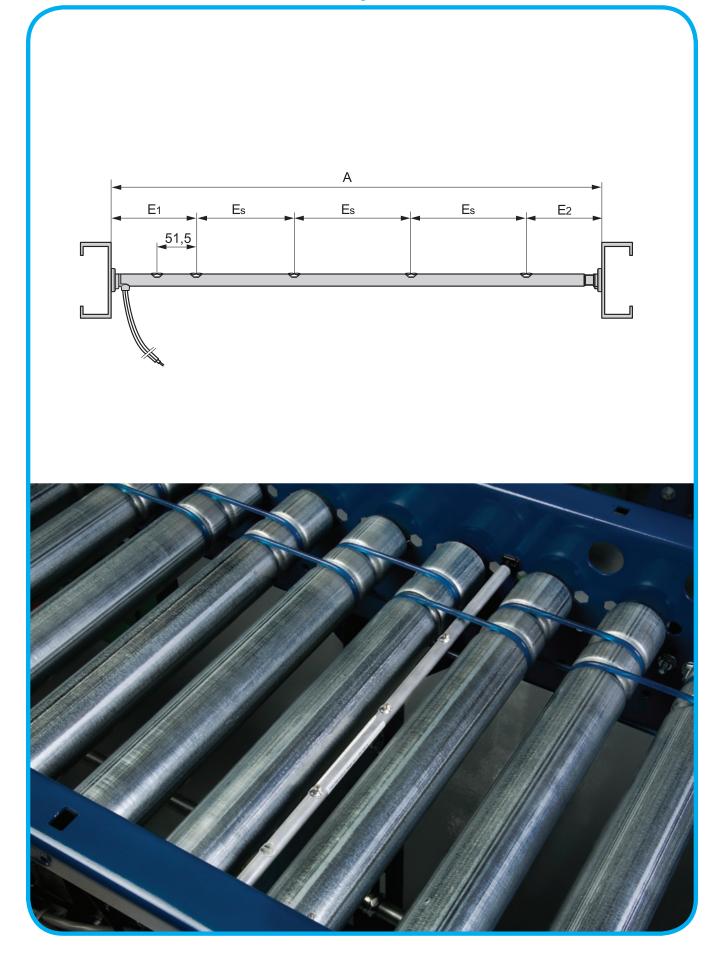
415 mm, from 200 to 900 upon request
4 (number of sensors is determined by the overall conveyor width)
12mm
84 mm
M12 4 pins connector or cable
Hexagonal 7/16", Ø 8mm or adhesive
Aluminium and PA
PC

Diffuse infrared 100 mm 85 mm 60 m/mn

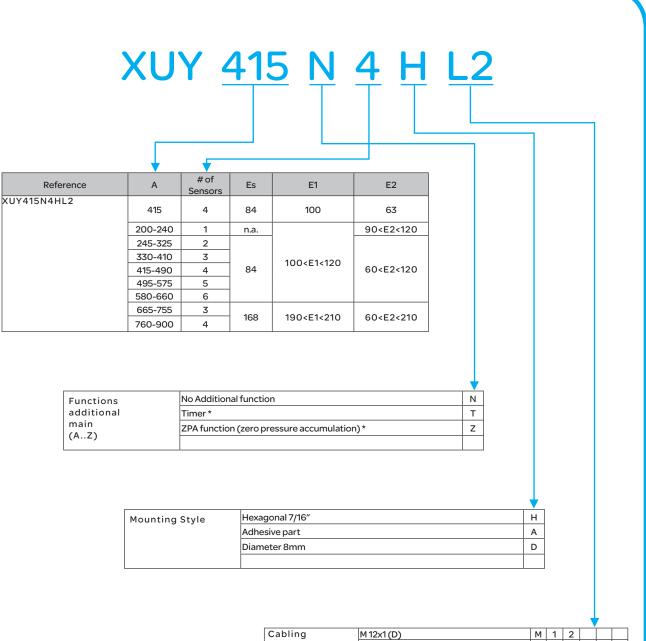
18 to 36 Volts DC (including ripples)35 mAyellow100 mA with overload and short circuit protection500 Hz

-10°C to 50°C IP40 (IP65 upon request)

XUY roller sensor conveyor



Catalog Number Configuration



Cabling	M 12x1 (D)	М	1	2			
Cabling material	Cable 0,3 m	L	0	3			
Cabling length	Cable 2 m	L	2				
	Cable 5 m	L	5				
	Connector M 12 with 0,31 m cable	L	0	3	М	1	2

For this example, XUY415.. is available for any conveyor width from 414 to 418 mm (-1, +3 mm)

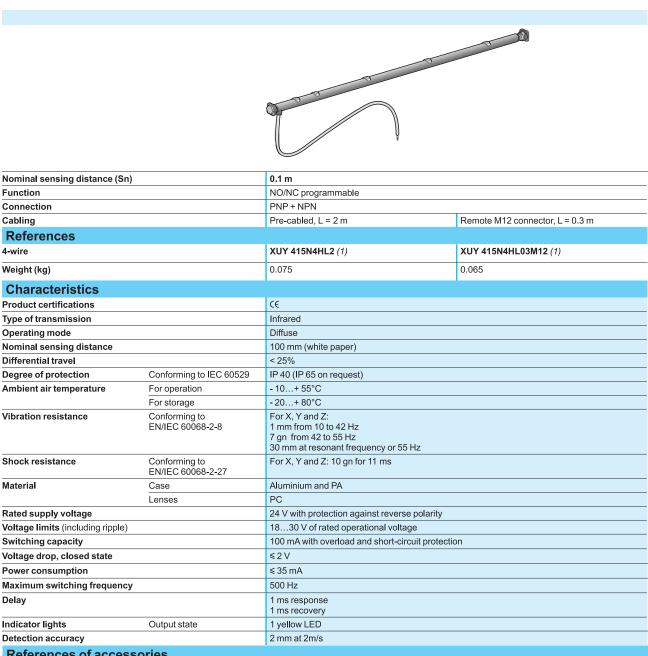
* Future capability. Call local field sales office for more information and availability.

Important Note: Not all configurations may be possible.

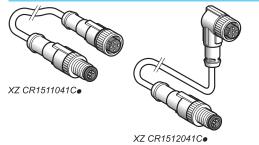
References. characteristics

Photo-electric sensors

OsiSense XU Application, conveying series For detecting packages on a roller conveyor DC supply, solid-state output







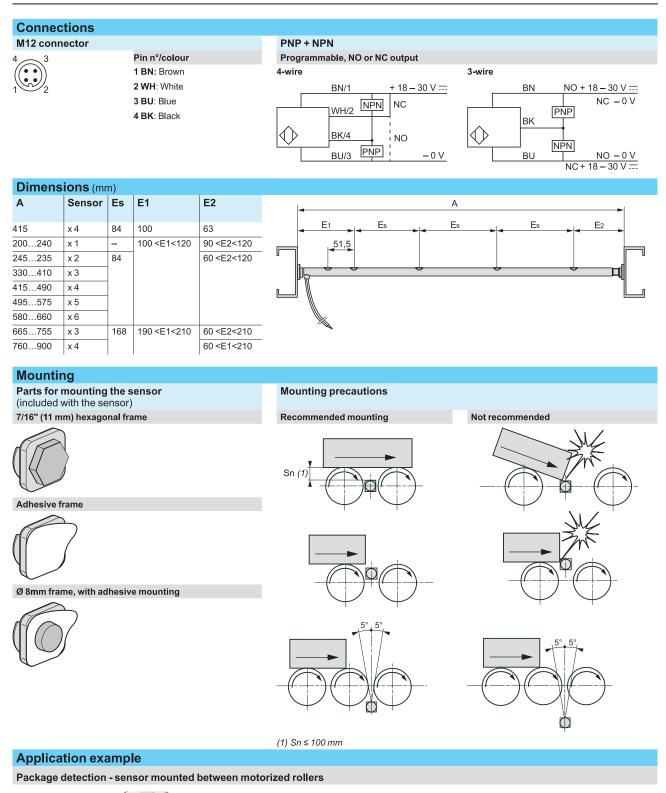
Designation	Length m	Reference	Weight kg
M12-M12 jumper cables			
4-pin, straight connector	1	XZ CR1511041C1	0.065
	2	XZ CR1511041C2	0.095
4-pin, elbowed connector	1	XZ CR1512041C1	0.065
	2	XZ CR1512041C2	0.095

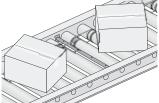
(1) These sensors are adapted for use on a 414-418 mm wide conveyor frame (-1, + 3 mm). Mounting accesory included with this sensor is for 7/16" hexagonal frame. Please consult Sensor Competentcy Center for any additional sizes, configurations, mounting, or other requirements.

Connections, dimensions, mounting

Photo-electric sensors

OsiSense XU Application, conveying series For detecting packages on a roller conveyor DC supply, solid-state output





Put our sensing experience to work for you.

For application assistance or more information about Schneider Electric sensing solutions, please contact the Schneider Electric Sensor Competency Center at 1-800-435-2121 or visit **www.SESensors.com**.

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