

Product data sheet

Characteristics

XUY900TE4H1M12

Phototo electric sensors for Roller convoyer- compact design -
DC supply, solid-state output



Main characteristics

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 1NC programmable
Electrical connection	Pigtail M12 connector straight male 4 pin
Cable length	1 m
Product specific application	convoyer system
Emission	Infrared
[Sn] nominal sensing distance	0.15 m diffuse
Sensing distance	White target 92% (0.2 m)
Sensing distance	black target 6% (0.1 m)
Timer function	yes

Complementary characteristics

Enclosure material	Aluminium
Lens material	Polycarbonate
Cover material	PVC
Output Type	Solid state
Pulse Frequency	1 KHz
Status LED	1 LED color : yellow for output signal
[Us] rated 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
Voltage drop	< 2 V at 100 mA (closed state)
Current consumption	< 35 mA (no-load)
Delay response	1 ms
Height / Diameter	12mm
Length	900mm
Number of sensors	4
Sensors pitch (Spacing)	186,2 mm
Mounting parts	Hexagonal 11.2

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Environment characteristics

Product certifications	CE
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

Product data sheet

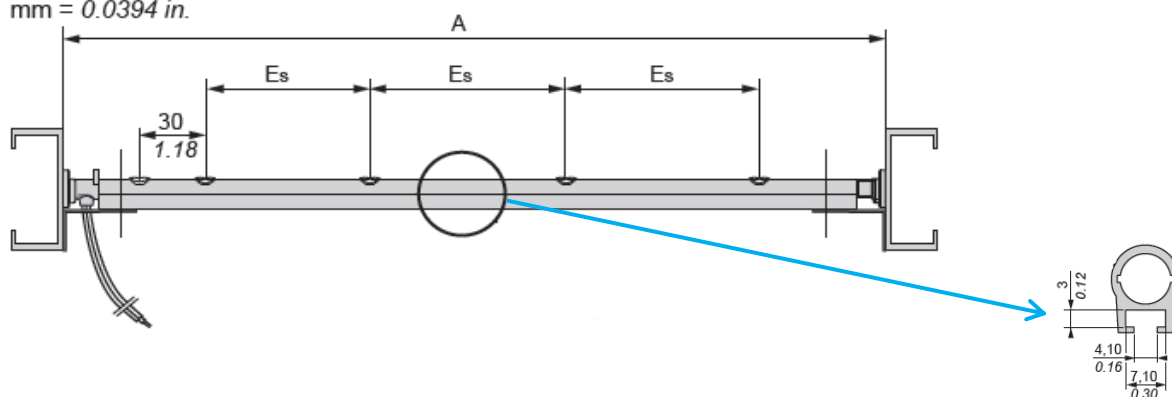
Dimensions Drawings

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Dimensions

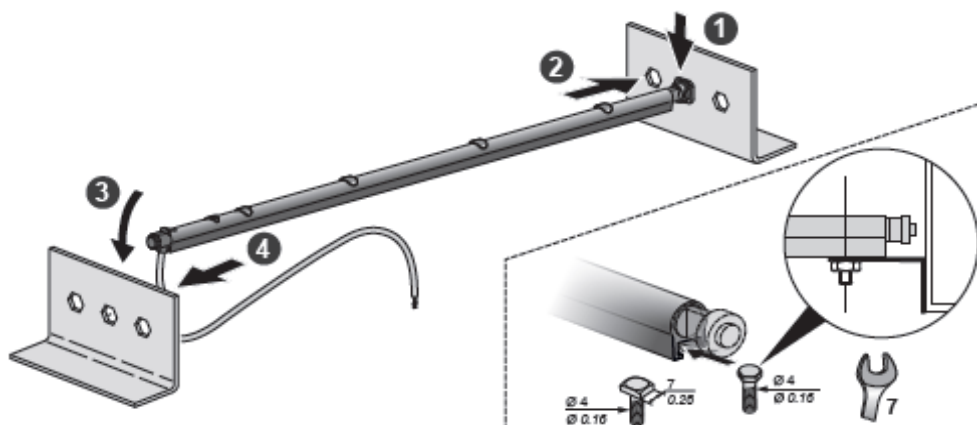
1 mm = 0.0394 in.



A: 900 mm

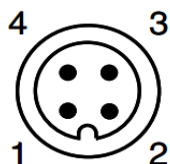
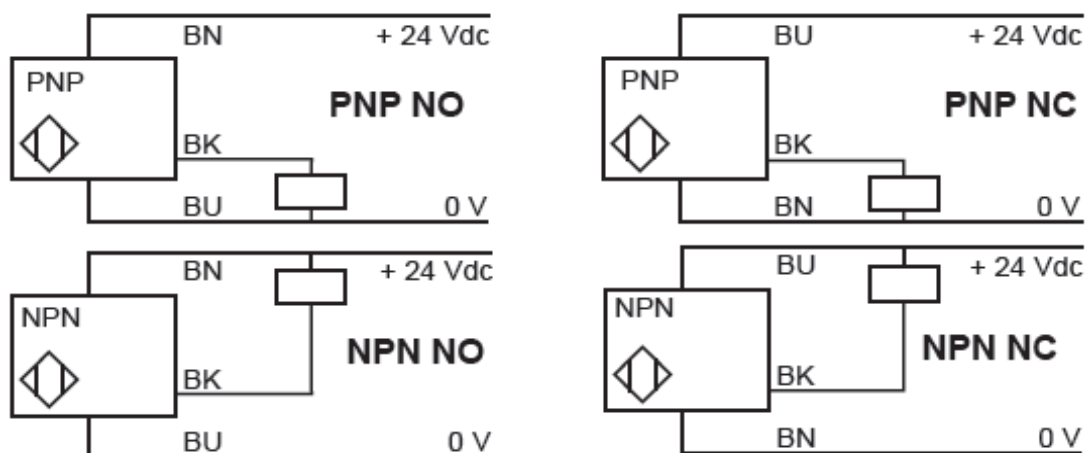
ES: 186,2 mm

Mounting and clearance



- (1) Position the spring-loaded end of the sensor on the conveyor extrusion
- (2) Compress the spring
- (3) With the spring still compressed attach the cable end
- (4) Release the pressure on the spring

simple sensor NC or NO, PNP and NPN



- (1) BN
- (2) WH (not connected)
- (3) BU
- (4) BK