



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application
Electronic sensor type	Photo-electric sensor
Sensor name	XUY
Sensor design	Fork
Detection system	Thru beam
Emission	Infrared, continuous
Passage width	5 mm
Passage depth	60 mm
Material	Metal
Supply circuit type	DC
Wiring technique	4-wire
Discrete output type	PNP and NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	1 male connector M8, 4 pins
Product specific application	Packaging series
[Sn] nominal sensing distance	5 mm

Complementary

Enclosure material	Anodised aluminium
Type of output signal	Discrete
Output type	Solid state
Status LED	No object present: 1 LED (green) Adjustment mode and keypad locking: 1 LED (red)
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...30 V DC
Switching capacity in mA	100 mA (overload and short-circuit protection)
Switching frequency	10 kHz
Maximum voltage drop	<2 V (closed state)
Current consumption	40 mA no-load
Time response	50 µs
Net weight	0.07 kg

Environment

Product certifications	cULus[RETURN]CE
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-30...80 °C
Immunity to ambient light	3000 Lux incandescent bulb 3000 lux natural light
IP degree of protection	IP65 conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	7.300 cm
Package 1 Length	13.000 cm
Package 1 Weight	69.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	6
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	593.000 g

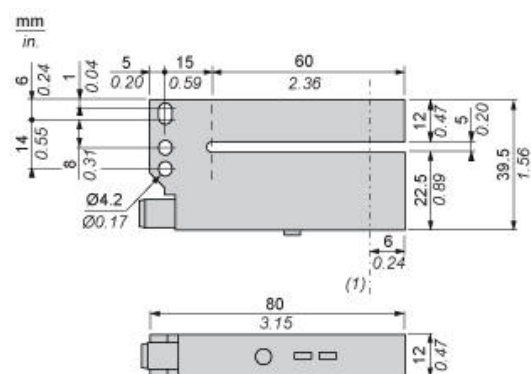
Offer Sustainability

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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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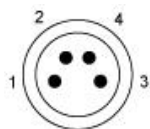
Dimensions



(1) Optical axis

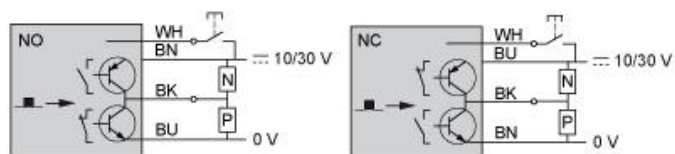
Wiring Schemes

Connector



- 1 : BN: Brown
- 2 : WH: White (input)
- 3 : BU: Blue
- 4 : BK: Black (PNP and NPN outputs)

NO or NC Programmable Function



■ Object detected

If the white wire is not used, connect to 0 V.