

XUX9APBNT16

Photoelectric sensors XU, XUX, polarised, Sn
11 m, 12...24 VDC, terminals



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUX
Sensor design	Compact 92 x 71
Detection system	Polarised reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	Screw-clamp terminals, 1 x 1.5 mm ² or 1 x 0.75 mm ² with adaptor
Product specific application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	11 m polarised reflex need reflector XUZC50

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	15 m polarised reflex
Output type	Relay
Cable entry	1 entry for M16 x 1.5 cable gland, cable outer diameter: 7...10 mm
Status LED	1 LED (yellow) for output state 1 LED (red) for instability 1 LED (green) for supply
[Us] rated supply voltage	24...240 V AC/DC
Switching capacity in mA	3 A (cos ϕ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) 0.5 A (cos ϕ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	$\leq$ 20 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	$\leq$ 35 mA no-load
Maximum power consumption in W	2 W AC/DC
Maximum delay first up	60 ms
Maximum delay response	25 ms
Maximum delay recovery	25 ms
Setting-up	Sensitivity adjustment
Electrical durability	500000 Cycles, cos f = 1, operating rate <60 cyc/mn at 250 V 500000 cycles, cos f = 0.4, operating rate <60 cyc/mn at 250 V
Depth	77 mm
Height	92 mm
Width	31 mm
Net weight	0.2 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Product certifications	UL[RETURN]CE[RETURN]CSA
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 double insulation conforming to IEC 60529 IP65 double insulation conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	9.5 cm
Package 1 Length	13.0 cm
Package 1 Weight	190.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	11
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.315 kg
Unit Type of Package 3	S02
Number of Units in Package 3	22
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	4.525 kg

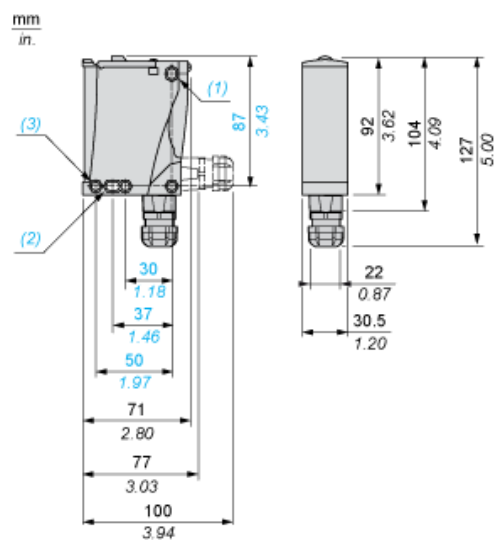
Offer Sustainability

Sustainable offer status	Green Premium product
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

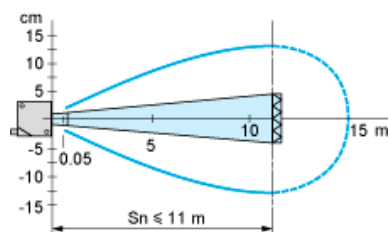


Wiring Schemes

PNP/NPN DC

M12		Terminals		
1	●	1	⊘	+
3	●	2	⊘	-
4	●	3	⊘	Output

Detection Curves



With reflector XUZY50