

# XUC8ARCTU78

Photoelectric sensors XU, XUC, BGS, Sn 1.2 m, 24...240VAC/DC, 7/8"



## Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUC
Sensor design	Compact
Detection system	Diffuse with background suppression
Material	Plastic
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	5-wire
Discrete output function	1 C/O
Electrical connection	1 male connector, 5 pins
Product specific application	-
Emission	Infrared diffuse with background suppression
[Sn] nominal sensing distance	1.2 m diffuse with background suppression

## Complementary

Enclosure material	PC
Lens material	PMMA
Maximum sensing distance	1.2 m
Output type	Solid state
Output function governance	Light or dark programmable
Add on output	With alarm output
Cable composition	5 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Cable outer diameter	6 mm
Status LED	1 LED (yellow) for output state 1 LED (red) for stability
[Us] rated supply voltage	12...24 V DC with reverse polarity protection
Supply voltage limits	10...38 V DC
Output voltage	<= 250 V AC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	<= 500 Hz
Maximum voltage drop	<1.5 V (closed state)
Current consumption	35 mA no-load
Maximum power consumption in W	2 W
Time delay range	0...15 s monostable, on-delay or off-delay (programmable) delay
Maximum delay first up	15 ms
Maximum delay response	1 ms
Maximum delay recovery	1 ms
Setting-up	Sensitivity adjustment with potentiometer
Electrical durability	500000 cycles, switching capacity: 3000 mA, cos f = 1, operating rate <60 cyc/mn at 250 V
Depth	44 mm
Height	99 mm
Width	45 mm

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.

Net weight	0.2 kg
Kit composition	Sensor Reflector XUZC50

## Environment

Product certifications	UL[RETURN]CSA[RETURN]CE
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	20 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP67 conforming to IEC 60529
NEMA degree of protection	NEMA 12 conforming to IEC 60529 NEMA 13 conforming to IEC 60529 NEMA 3 conforming to IEC 60529 NEMA 4 conforming to IEC 60529 NEMA 4X conforming to IEC 60529 NEMA 6 conforming to IEC 60529 NEMA 6P conforming to IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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