Product datasheet
Characteristics

XUX8ARCTT16

Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUX
Sensor design	Compact 92 x 71
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 NO or 1 NC programmable
Electrical connection	Screw-clamp terminals, 1 x 0.75...1 x 1.5 mm²
Product specific application	Long sensing distance with high accuracy
Emission	Infrared
[Sn] nominal sensing distance	6.56 ft (2 m)

Complementary

Enclosure material	PC
Lens material	PMMA
Output type	Relay
Cable entry	ISO 16 cable gland, cable outer diameter: 0.28...0.39 in (7...10 mm)
Status LED	1 LED (green) supply on 1 LED (red) instability 1 LED (yellow) output state
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC/DC
Switching frequency	20 Hz
Voltage drop	<= 1.5 V (closed state)
Current consumption	35 mA (no-load)
Time delay range	0.02...15 s monostable, on delay or off-delay delay
Delay first up	< 200 ms
Delay response	< 25 ms
Delay recovery	< 25 ms
Electrical durability	500000 cycles, switching capacity: 0.5 A, cos φ = 0.4 500000 cycles, switching capacity: 3 A, cos φ = 1
Product weight	0.44 lb(US) (0.2 kg)

Environment

product certifications	CE CSA UL
ambient air temperature for operation	-13...131 °F (-25...55 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)
vibration resistance	7 gn (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	10 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP30 (with cover open) conforming to IEC 60529 IP65 (double insulation) conforming to IEC 60529 IP67 (double insulation) conforming to IEC 60529

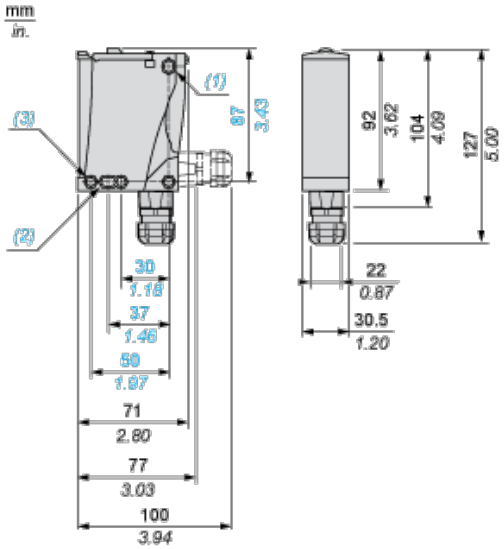
Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 1136 - Schneider Electric declaration of conformity	Compliant - since 1136 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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 more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

Dimensions



(1) Elongated hole Ø 5.5 x 7

(2) Elongated hole Ø 5.5 x 9

(3) Ø 5.5 hole

Wiring Schemes

Relay Output AC/DC

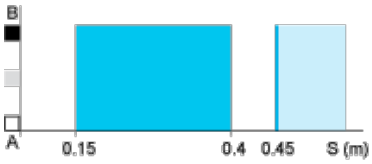
Terminals

1	⊘	AC/DC
2	⊘	AC/DC
3	⊘	NO
4	⊘	Relay common
5	⊘	NC

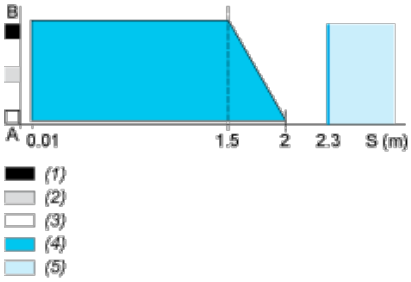
Detection Curves

Variation of Usable Sensing Distance Su

Teach Mode at Minimum



Teach Mode at Maximum



A-B : Object reflection coefficient

(1) Black 6%

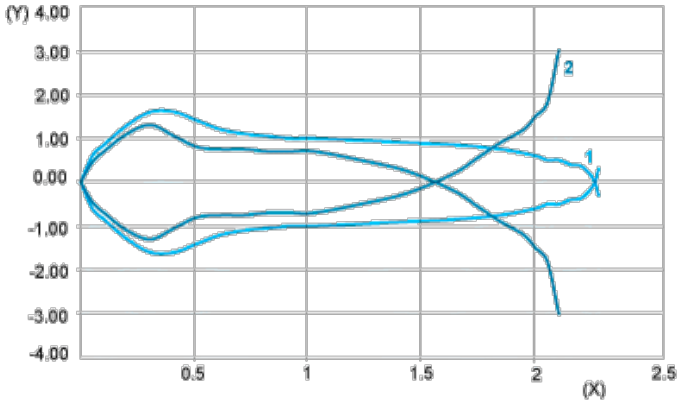
(2) Grey 18%

(3) White 90%

(4) Sensing range

(5) Non sensing zone (matt surfaces)

Detection Curves



1 : White 90%

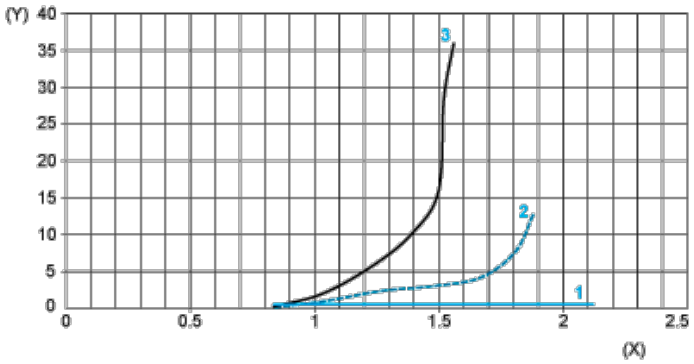
2 : Grey 18%

(Y) Detection lobe (cm)

(X) Object distance (m)

Object 10 x 10 cm

Relative Difference in Sensing Distances According to Object Colour



1 : White 90%

2 : Grey 18%

3 : Black 6%

(Y) Relative error (%)

(X) Object distance (m)

Object 10 x 10 cm