

# XUX0ARCTT16

photoelectric sensor - universal - Sn 0..40 m -  
NO or NC - Pg 16



## Main

Range of product	OsiSense XU
Series name	Universal
Specific application of photoelectric detector	Object
Sensor name	XUX
Sensor design	Compact
Material	Plastic
Detection system	Diffuse Diffuse with background suppression Polarised reflex Thru beam
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
[Sn] nominal sensing distance	1,3 m diffuse with background suppression 2 m diffuse 11 m polarised reflex 40 m thru beam
Wiring technique	5 wires
Type of output signal	Discrete
Discrete output function	1 NO or 1 NC programmable
Add on output	With alarm output $\leq 100$ mA overload and short-circuit protection
Electrical connection	Screw-clamp terminals 1 x 1.5 mm <sup>2</sup> or 1 x 0.75 mm <sup>2</sup> with adaptor
[Us] rated supply voltage	24...240 V AC/DC
Switching capacity in mA	0,5 A $\cos \phi = 0.4$ for 0.5 million cycles at 1 operating cycle per second at 250 V 3 A $\cos \phi = 1$ for 0.5 million cycles at 1 operating cycle per second at 250 V
Time delay range	0,02...15 s monostable, on-delay or off-delay (programmable)

## Complementary

Electronic sensor type	Photo-electric sensor
Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	1,3 m diffuse with background suppression 3 m diffuse 15 m polarised reflex 60 m thru beam
Output type	Relay
Cable entry	1 entry for M16 x 1.5 cable gland 7...10 mm
Status LED	1 LED yellow output state 1 LED green supply 1 LED red instability
Supply circuit type	AC/DC
Supply voltage limits	20...264 V AC/DC
Switching frequency	$\leq 20$ Hz
Voltage drop	$\leq 1,5$ V closed state
Power consumption in W	2 W AC/DC
Delay first up	$< 200$ ms

Delay response	< 25 ms
Delay recovery	< 25 ms
Setting-up	Self-teaching
Electrical durability	500000 cycles 1 3000 cyc/mn relay 500000 cycles 0,4 500 cyc/mn relay
Depth	30 mm
Height	92 mm
Width	77 mm
Product weight	0,2 kg

## Environment

Product certifications	CE CSA UL
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Vibration resistance	7 gn +/- 1.5 mm 10...55 Hz IEC 60068-2-6
Shock resistance	30 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 double insulation IEC 60529 IP67 double insulation IEC 60529
RoHS EUR conformity date	0914
RoHS EUR status	Compliant