Product data sheet Characteristics

XUX0ARCTT16

Photoelectric sensors XU, photo electric sensor, XUX, multi, Sn 0...40 m, 24...240VAC/DC, terminals





Main

Telemecanique Photoelectric sensors XU	
General purpose multimode	
Photo-electric sensor	
XUX	
Compact 92 x 71	
Multimode	
Plastic	
Discrete	
AC/DC	
5-wire	
1 NO or 1 NC programmable	
Screw-clamp terminals, 1 x 1.5 mm² or 1 x 0.75 mm² with adaptor	
-	
Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex	
11 m polarised reflex need reflector XUZC50 40 m thru beam need a transmitter XUX0ARCTT16T 2 m diffuse 1.3 m diffuse with background suppression	
	General purpose multimode Photo-electric sensor XUX Compact 92 x 71 Multimode Plastic Discrete AC/DC 5-wire 1 NO or 1 NC programmable Screw-clamp terminals, 1 x 1.5 mm² or 1 x 0.75 mm² with adaptor - Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex 11 m polarised reflex need reflector XUZC50 40 m thru beam need a transmitter XUX0ARCTT16T 2 m diffuse

Complementary

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Enclosure material	PBT	in the state of th	3
Lens material	PMMA		2
Maximum sensing distance	15 m polarised reflex 3 m diffuse 60 m thru beam	Jaimer This o	Direction of the last of the l

Life Is On Schneider

1.3 m diffuse with background suppression

Output type	Relay
Add on output	With alarm output, <= 100 mA with overload and short-circuit protection
Cable entry	1 entry for M16 x 1.5 cable gland, cable outer diameter: 710 mm
Status LED	1 LED (green) for supply 1 LED (red) for instability 1 LED (yellow) for output state
[Us] rated supply voltage	24240 V AC/DC
Switching capacity in mA	0.5 A (cos ϕ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 250 V) 3 A (cos ϕ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	<= 20 Hz
Maximum voltage drop	<1.5 V (closed state)
Maximum power consumption in W	2 W AC/DC
Time delay range	0.0215 s monostable, on-delay or off-delay (programmable) delay
Maximum delay first up	200 ms
Maximum delay response	25 ms
Maximum delay recovery	25 ms
Setting-up	Self-teaching
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

Environment

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Product certifications	UL CE CSA
Ambient air temperature for operation	-2555 °C
Ambient air temperature for storage	-4070 °C
Vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 1055 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529

Packing Units

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Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Weight	209 g	
Package 1 Height	4 cm	
Package 1 width	9.5 cm	
Package 1 Length	13 cm	
Unit Type of Package 2	S02	
Number of Units in Package 2	22	
Package 2 Weight	5.175 kg	
Package 2 Height	15 cm	
Package 2 width	30 cm	
Package 2 Length	40 cm	

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)

EU RoHS Declaration

Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65 WARNING: This product can expose you to chemicals including: Diisononyl phthalat is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP) to the State of California to cause birth defects or other reproductive harm. For more to www.P65Warnings.ca.gov	

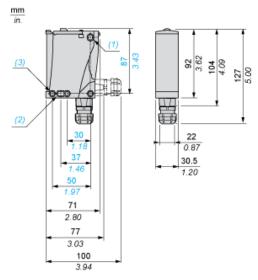
Contractual warranty

Warranty	18 months

Product data sheet **Dimensions Drawings**

XUX0ARCTT16

Dimensions



- (1) (2) (3) Elongated hole Ø 5.5 x 7
- Elongated hole Ø 5.5 x 9 Ø 5.5 hole

Product data sheet Connections and Schema

XUX0ARCTT16

Wiring Schemes

Relay Output AC/DC

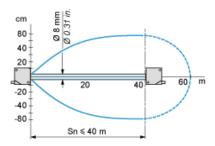
Terminals	
1	AC/DC
2	AC/DC
3	NO
4	Relay common
5	NC

Product data sheet Performance Curves

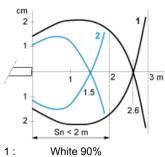
XUX0ARCTT16

Detection Curves

With Thru-beam Accessory (Thru-beam)



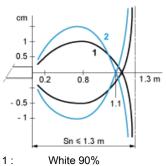
Without Accessory (Diffuse)



2: Grey 18%

Object 10 x 10 cm

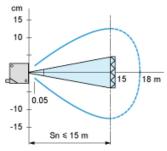
Without Accessory (Diffuse with background suppression)



2: Grey 18%

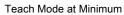
Object 10 x 10 cm

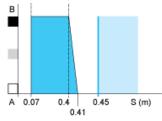
With reflector (Polarised reflex)



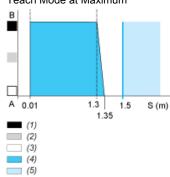
With reflector XUZC50

Variation of Usable Sensing Distance Su (Without accessory, with adjustable background suppression)





Teach Mode at Maximum



Object reflection coefficient Black 6% A-B :

(1) (2) (3) (4) (5) Grey 18% White 90% Sensing range

Non sensing zone (matt surfaces)