Product data sheet
Characteristics

XUX0ARCTT16
Photoelectric sensors XU, XUX, multi, Sn 0...40 m, 24...240VAC/DC, terminals



Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	General purpose multimode
Electronic sensor type	Photo-electric sensor
Sensor name	XUX
Sensor design	Compact 92 x 71
Detection system	Multimode
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 1.5 mm² or 1 x 0.75 mm² with adaptor
Product specific application	-
Emission	Infrared diffuse Infrared diffuse with background suppression Infrared thru beam Red polarised reflex
[Sn] nominal sensing distance	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

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	15 M polarised reflex 3 M diffuse 60 M thru beam 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: 7…10 mm
Status LED	1 LED (green) for supply 1 LED (red) for instability 1 LED (yellow) for output state
[Us] rated supply voltage	24...240 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)

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Maximum voltage drop	<1.5 V (closed state)
Maximum power consumption in W	2 W AC/DC
Time delay range	0.02...15 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

Product certifications	UL CE 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	IP65 double insulation conforming to IEC 60529 IP67 double insulation conforming to IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	209.0 G
Package 1 Height	13 Cm
Package 1 width	9.5 Cm
Package 1 Length	4 Cm
Unit Type of Package 2	P06
Number of Units in Package 2	176
Package 2 Weight	49.9 Kg
Package 2 Height	45 Cm
Package 2 width	60 Cm
Package 2 Length	80 Cm
Unit Type of Package 3	S02
Number of Units in Package 3	22
Package 3 Weight	5.119 Kg
Package 3 Height	15 Cm
Package 3 width	30 Cm
Package 3 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

Contractual warranty

Warranty	18 months

Product Life Status :	Commercialised