

# XUC9ARCTL2

Photoelectric sensors XU, XUC, polarised, Sn  
6 m, 24...240VAC/DC, cable 2 m



## 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              | Polarised reflex                           |
| Material                      | Plastic                                    |
| Type of output signal         | Discrete                                   |
| Supply circuit type           | AC/DC                                      |
| Wiring technique              | 5-wire                                     |
| Discrete output function      | 1 C/O                                      |
| Electrical connection         | Cable                                      |
| Cable length                  | 2 m  |
| Product specific application  | -  |
| Emission                      | Red polarised reflex                       |
| [Sn] nominal sensing distance | 6 m polarised reflex need reflector XUZC50 |

## Complementary

|                                |   |
|--------------------------------|---|
| Enclosure material             | PC  |
| Lens material                  | PMMA  |
| Maximum sensing distance       | 9 m with reflector 50 x 50 mm   |
| Output type                    | Relay   |
| Output function governance     | Light or dark programmable  |
| Add on output                  | Without   |
| 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<br>1 LED (red) for stability                              |
| [Us] rated supply voltage      | 24...240 V AC/DC  |
| Supply voltage limits          | 20...264 V AC   |
| Output voltage                 | <= 250 V AC   |
| Switching capacity in mA       | 3 A (cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)           |
| Switching frequency            | <= 20 Hz  |
| 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         | 60 ms   |
| Maximum delay response         | 25 ms   |
| Maximum delay recovery         | 25 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                         | 112 mm  |
| Width                          | 45 mm   |

|                 |                            |
|-----------------|----------------------------|
| Net weight      | 0.22 kg                    |
| Kit composition | Sensor<br>Reflector XUZC50 |

## Environment

|                                       |  |
|---------------------------------------|--|
| Product certifications                | UL[RETURN]CE[RETURN]CSA  |
| 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<br>NEMA 13 conforming to IEC 60529<br>NEMA 3 conforming to IEC 60529<br>NEMA 4 conforming to IEC 60529<br>NEMA 4X conforming to IEC 60529<br>NEMA 6 conforming to IEC 60529<br>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 |
|----------|-----------|