



## Main

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|-------------------------------|--|
| Range of product              | OsiSense XC  |
| Series name                   | Standard format  |
| Product or component type     | Limit switch   |
| Device short name             | XCKN   |
| Sensor design                 | Compact  |
| Body type                     | Fixed  |
| Head type                     | Plunger head   |
| Material                      | Plastic  |
| Movement of operating head    | Linear   |
| Type of operator              | Thermoplastic spring return roller lever plunger                           |
| Type of approach              | 1 direction , vertical approach  |
| Electrical connection         | Screw-clamp terminals (1 x 0.34...2 x 1.5 mm <sup>2</sup> )                |
| Cable entry                   | 1 entry tapped for M20 x 1.5 cable gland , cable outer diameter: 7...13 mm |
| Number of poles               | 2  |
| Contacts type and composition | 2 NC   |
| Contacts operation            | Snap action  |
| Positive opening              | With   |

## Complementary

|  |  |
|--|--|
| Body material                          | Plastic  |
| Head material                          | Plastic  |
| Fixing mode                            | By the body  |
| Switch actuation                       | By 30° cam   |
| Contacts insulation form               | Zb   |
| Positive opening minimum force         | 10 N   |
| Minimum force for tripping             | 6 N  |
| Maximum actuation speed                | 1 m/s  |
| Contact code designation               | AC-15 : A300 (U <sub>e</sub> = 240 V , I <sub>e</sub> = 3 A), I <sub>the</sub> = 10 A conforming to EN/IEC 60947-5-1 appendix A<br>DC-13 : Q300 (U <sub>e</sub> = 250 V , I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A   |
| [Ui] rated insulation voltage          | 300 V conforming to UL 508<br>300 V conforming to CSA C22-2 No 14<br>500 V (degree of pollution: 3) conforming to IEC 60947-1  |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1<br>6 kV conforming to IEC 60664   |
| Short circuit protection               | 10 A cartridge fuse type gG  |
| Electrical durability                  | 5000000 cycles DC-13 (U <sub>c</sub> = 24 V), 10 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5<br>5000000 cycles DC-13 (U <sub>c</sub> = 48 V), 7 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5<br>5000000 cycles DC-13 (U <sub>c</sub> = 120 V), 4 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 |
| Mechanical durability                  | 10000000 cycles  |
| Width                                  | 30 mm  |
| Height                                 | 65 mm  |
| Depth                                  | 30 mm  |
| Product weight                         | 0.145 kg   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|  |   |
|--|---|
| Shock resistance                           | 50 gn for 11 ms conforming to IEC 60068-2-27  |
| Vibration resistance                       | 25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6                                     |
| IP degree of protection                    | IP65 conforming to IEC 60529  |
| IK degree of protection                    | IK04 conforming to EN 50102   |
| Class of protection against electric shock | Class II conforming to IEC 61140<br>Class II conforming to NF C 20-030                  |
| Ambient air temperature for operation      | -25...70 °C   |
| Ambient air temperature for storage        | -40...70 °C   |
| Protective treatment                       | TC  |
| Product certifications                     | CCC<br>CSA<br>UL  |
| Standards                                  | CSA C22-2 No 14<br>EN 60204-1<br>EN 60947-5-1<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508 |
| RoHS EUR conformity date                   | 4Q2009  |
| RoHS EUR status                            | Will be compliant   |