



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | OsiSense XC                                   |
| Series name                   | Standard format                               |
| Product or component type     | Limit switch                                  |
| Device short name             | XCKD  |
| Sensor design                 | Compact form C conforming to CENELEC EN 50047 |
| Body type                     | Fixed   |
| Head type                     | Plunger head                                  |
| Material                      | Metal   |
| Fixing mode                   | By the body                                   |
| Movement of operating head    | Linear  |
| Type of operator              | Metal spring return roller plunger            |
| Type of approach              | 2 directions lateral approach                 |
| Number of poles               | 2   |
| Contacts type and composition | 1 NC + 1 NO                                   |
| Contacts operation            | Snap action, break before make                |
| Positive opening              | With  |

## Complementary

|  |   |
|--|---|
| Body material                          | Zamak   |
| Head material                          | Zamak   |
| Switch actuation                       | By 30° cam  |
| Electrical connection                  | M12 male connector , 5 pins   |
| Contacts insulation form               | Zb  |
| Positive opening minimum force         | 36 N  |
| Minimum force for tripping             | 12 N  |
| Maximum actuation speed                | 0.5 m/s   |
| Repeat accuracy                        | 0.1 mm on the tripping points with 1 million operating cycles   |
| Contact code designation               | A300 , AC-15 (Ue = 240 V , Ie = 3 A), Ithe = 10 A conforming to EN/IEC 60947-5-1 appendix A<br>Q300 , DC-13 (Ue = 250 V , Ie = 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  |
| Resistance across terminals            | ≤ 25 mOhm conforming to IEC 60255-7 category 3  |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1<br>6 kV conforming to IEC 60664  |
| Short circuit protection               | 10 A by gG cartridge fuse   |
| Electrical durability                  | 5000000 cycles , DC-13 , 24 V , 10 W , load factor: 0.5 , operating rate: ≤ 60 cyc/ mn<br>5000000 cycles , DC-13 , 48 V , 7 W , load factor: 0.5 , operating rate: ≤ 60 cyc/ mn<br>5000000 cycles , DC-13 , 120 V , 4 W , load factor: 0.5 , operating rate: ≤ 60 cyc/ mn |
| Mechanical durability                  | 10000000 cycles   |
| Width                                  | 31 mm   |
| Height                                 | 65 mm   |

|                |          |
|----------------|----------|
| Depth          | 30 mm    |
| Product weight | 0.195 kg |

## Environment

|  |   |
|--|---|
| Shock resistance                           | 50 gn (duration = 11 ms) conforming to IEC 60068-2-27                                   |
| Vibration resistance                       | 25 gn (f = 10...500 Hz) conforming to IEC 60068-2-6                                     |
| IK degree of protection                    | IK06 conforming to EN 50102   |
| Class of protection against electric shock | Class I conforming to IEC 61140<br>Class I 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   |