



### 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 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               | Spring return roller plunger metal  |
| Switch actuation               | By 30° cam  |
| Type of approach               | Lateral approach 2 directions   |
| Electrical connection          | Screw-clamp terminals , 1 x 0.34...2 x 1.5 mm <sup>2</sup>                |
| Cable entry                    | 1 entry tapped for M16 x 1.5 cable gland , cable outer diameter: 4...8 mm |
| Number of poles                | 2   |
| Contacts type and composition  | 1 NC + 1 NO   |
| Contacts operation             | Snap action, break before make  |
| Positive opening               | With  |
| Positive opening minimum force | 36 N  |
| Minimum force for tripping     | 12 N  |

### Complementary

|  |   |
|--|---|
| Body material                          | Zamak   |
| Head material                          | Zamak   |
| Contacts insulation form               | Zb  |
| 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-15 240 V 3 A IEC 60947-5-1 appendix A 10 A<br>A300 AC-15 240 V 3 A EN 60947-5-1 10 A<br>Q300 DC-13 250 V 0.27 A IEC 60947-5-1 appendix A<br>Q300 DC-13 250 V 0.27 A EN 60947-5-1  |
| [Ui] rated insulation voltage          | 300 V UL 508<br>300 V CSA C22-2 No 14<br>500 V 3 IEC 60947-1  |
| Resistance across terminals            | ≤ 25 mOhm IEC 60255-7 category 3  |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947-1<br>6 kV IEC 60664  |
| Short circuit protection               | 10 A cartridge fuse gG  |
| Electrical durability                  | 5000000 cycles DC-13, 24 V 10 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C , DC<br>5000000 cycles DC-13, 48 V 7 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C , DC<br>5000000 cycles DC-13, 120 V 4 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C , DC |
| Mechanical durability                  | 10000000 cycles   |

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|                |          |
|----------------|----------|
| Width          | 31 mm    |
| Height         | 65 mm    |
| Depth          | 30 mm    |
| Product weight | 0.185 kg |

## Environment

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