

### Main

|                               |                                                                              |
|-------------------------------|------------------------------------------------------------------------------|
| Range of product              | OsiSense XC                                                                  |
| Series name                   | Standard format                                                              |
| Product or component type     | Limit switch                                                                 |
| Device short name             | XCKP                                                                         |
| Sensor design                 | Compact form C conforming to CENELEC EN 50047                                |
| Body type                     | Fixed                                                                        |
| Head type                     | Plunger head                                                                 |
| Material                      | Plastic                                                                      |
| Fixing mode                   | By the body                                                                  |
| Movement of operating head    | Linear                                                                       |
| Type of operator              | Thermoplastic spring return roller lever                                     |
| Type of approach              | 2 directions lateral approach                                                |
| Electrical connection         | Screw-clamp terminals , clamping capacity: 1 x 0.5...2 x 2.5 mm <sup>2</sup> |
| Number of poles               | 2                                                                            |
| Contacts type and composition | 2 NC                                                                         |
| Contacts operation            | Slow-break, simultaneous                                                     |
| Positive opening              | With                                                                         |

### Complementary

|                                        |                                                                                                                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Body material                          | Plastic                                                                                                                                                                                                                                                                |
| Head material                          | Zamak                                                                                                                                                                                                                                                                  |
| Tracks                                 | 24/40 mm                                                                                                                                                                                                                                                               |
| Switch actuation                       | By 30° cam                                                                                                                                                                                                                                                             |
| Cable entry                            | 1 entry tapped for M16 x 1.5 cable gland , cable outer diameter: 4...8 mm                                                                                                                                                                                              |
| Contacts insulation form               | Zb                                                                                                                                                                                                                                                                     |
| Positive opening minimum torque        | 0.25 N.m                                                                                                                                                                                                                                                               |
| Minimum torque for tripping            | 0.1 N.m                                                                                                                                                                                                                                                                |
| Maximum actuation speed                | 1.5 m/s                                                                                                                                                                                                                                                                |
| Repeat accuracy                        | 0.1 mm on the tripping points with 1 million operating cycles                                                                                                                                                                                                          |
| Contact code designation               | A300 , AC-15 (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>Q300 , DC-13 (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                                                                                                                                             |
| 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 , 13 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 , 48 V , 9 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 , 120 V , 7 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 | 0.095 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                                     |
| IP degree of protection                    | IP66 conforming to IEC 60529<br>IP67 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                                                                       |