



Main

| | |
|-------------------------------|---|
| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKD |
| Sensor design | Compact |
| Body type | Fixed |
| Head type | Multi-directional head |
| Material | Metal |
| Fixing mode | By the body |
| Movement of operating head | Multi-directional |
| Type of operator | Spring return cat's whisker |
| Switch actuation | By any moving part |
| Type of approach | Multi-directional approach |
| Electrical connection | Screw-clamp terminals , 1 x 0.34...2 x 1.5 mm ² |
| 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 | Without |
| Minimum torque for tripping | 0.13 N.m |

Complementary

| | |
|--|---|
| Body material | Zamak |
| Head material | Zamak |
| Contacts insulation form | Zb |
| Maximum actuation speed | 1 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 A300 AC-15 240 V 3 A EN 60947-5-1 10 A Q300 DC-13 250 V 0.27 A IEC 60947-5-1 appendix A Q300 DC-13 250 V 0.27 A EN 60947-5-1 |
| [Ui] rated insulation voltage | 300 V UL 508 300 V CSA C22-2 No 14 500 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 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 5000000 cycles DC-13, 48 V 7 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C , DC 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 | 5000000 cycles |
| Width | 31 mm |
| Height | 65 mm |

| | |
|----------------|----------|
| Depth | 30 mm |
| Product weight | 0.175 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 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 CSA UL |
| Standards | CSA C22-2 No 14 EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 UL 508 |
| RoHS EUR conformity date | 4Q2009 |
| RoHS EUR status | Will be compliant |