



Main

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| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKP |
| Sensor design | Compact |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Plastic |
| Body material | Plastic |
| Head material | Zamak |
| Fixing mode | By the body |
| Movement of operating head | Linear |
| Type of operator | Spring return roller lever plunger thermoplastic |
| Type of approach | Vertical approach 1 direction |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Snap action |

Complementary

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| Switch actuation | By 30° cam |
| Electrical connection | Screw-clamp terminals, clamping capacity: 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 |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 18 N |
| Minimum force for tripping | 6 N |
| 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 (U _e = 240 V, I _e = 3 A, I _{the} = 10 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (U _e = 250 V, I _e = 0.27 A conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 V conforming to CSA C22-2 No 14 300 V conforming to UL 508 500 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 60664 6 kV conforming to IEC 60947-1 |
| Short circuit protection | 10 A by gG cartridge fuse |
| Electrical durability | 5000000 cycles, DC-13, 120 V, 4 W, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 24 V, 10 W, 13 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 7 W, 9 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability | 15000000 cycles |
| Product weight | 0.1 kg |

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Environment

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| 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 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 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 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 status | Compliant |
| RoHS EUR conformity date | 1002 |