



Main

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| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKN |
| Sensor design | Compact |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Plastic |
| Movement of operating head | Linear |
| Type of operator | Thermoplastic spring return roller lever plunger |
| Type of approach | 1 direction , vertical approach |
| Electrical connection | Screw-clamp terminals (1 x 0.5...2 x 2.5 mm ²) |
| Cable entry | 1 entry tapped for M20 x 1.5 cable gland , cable outer diameter: 7...13 mm |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Slow-break, break before make |
| Positive opening | With |

Complementary

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| Body material | Plastic |
| Head material | Plastic |
| Fixing mode | By the body |
| Switch actuation | By 30° cam |
| Contacts insulation form | Zb |
| Positive opening minimum force | 10 N |
| Minimum force for tripping | 6 N |
| Maximum actuation speed | 1 m/s |
| Contact code designation | AC-15 : A300 (U _e = 240 V , I _e = 3 A), I _{the} = 10 A conforming to EN/IEC 60947-5-1 appendix A DC-13 : R300 (U _e = 250 V , I _e = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 300 V conforming to UL 508 300 V conforming to CSA C22-2 No 14 500 V (degree of pollution: 3) conforming to IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1 6 kV conforming to IEC 60664 |
| Short circuit protection | 10 A cartridge fuse type gG |
| Electrical durability | 5000000 cycles DC-13 (U _c = 24 V), 13 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 5000000 cycles DC-13 (U _c = 48 V), 9 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 5000000 cycles DC-13 (U _c = 120 V), 7 W , operating rate: ≤ 60 cyc/mn , load factor: 0.5 |
| Mechanical durability | 10000000 cycles |
| Width | 30 mm |
| Height | 65 mm |
| Depth | 30 mm |
| Product weight | 0.145 kg |

Environment

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| Shock resistance | 50 gn for 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 | IP65 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 conformity date | 4Q2009 |
| RoHS EUR status | Will be compliant |