

XCKT2510N12

limit switch XCKT - metal end plunger - 1NO
+1NC - slow - 1/2NPT



Main

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|--------------------------------|---|
| Range of product | OsiSense XC |
| Series name | Standard format |
| Product or component type | Limit switch |
| Device short name | XCKT |
| Sensor design | Compact form B CENELEC EN 50047 |
| Body type | Fixed |
| Head type | Plunger head |
| Material | Plastic |
| Movement of operating head | Linear |
| Type of operator | Spring return plunger metal |
| Switch actuation | On end |
| Type of approach | Vertical approach 1 direction |
| Electrical connection | Screw-clamp terminals , 1 x 0.5...2 x 2.5 mm ² |
| Cable entry | 2 entries tapped for 1/2" NPT cable gland |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Slow-break, break before make |
| Positive opening | With |
| Positive opening minimum force | 45 N |
| Minimum force for tripping | 15 N |
| Minimum actuation speed | 6 m/min |

Complementary

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| Body material | Plastic |
| 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 EN/IEC 60947-5-1 appendix A 10 A Q300 DC-13 250 V 0.27 A EN/IEC 60947-5-1 appendix A |
| [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, 120 V 7 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 48 V 9 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 24 V 13 W, ≤ 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability | 15000000 cycles |

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Environment

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| Shock resistance | 50 gn 11 ms IEC 60068-2-27 |
| Vibration resistance | 25 gn 10...500 Hz IEC 60068-2-6 |
| IP degree of protection | IP66 IEC 60529 IP67 IEC 60529 |
| IK degree of protection | IK04 EN 50102 |
| Class of protection against electric shock | Class II IEC 61140 Class II 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 | Will be compliant |
| RoHS EUR conformity date | 4Q2009 |