



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | OsiSense XC                            |
| Series name                   | Standard format                        |
| Product or component type     | Limit switch                           |
| Device short name             | XCKM                                   |
| Body type                     | Fixed                                  |
| Head type                     | Plunger head                           |
| Material                      | Metal                                  |
| Body material                 | Zamak                                  |
| Fixing mode                   | By the body                            |
| Movement of operating head    | Linear                                 |
| Type of operator              | Spring return plunger metal            |
| Type of approach              | Vertical approach 1 direction          |
| Cable entry                   | 3 entries tapped for Pg 11 cable gland |
| Number of poles               | 2                                      |
| Contacts type and composition | 1 NC + 1 NO                            |
| Contact operation             | Snap action                            |

### Complementary

|                                |  |
|--------------------------------|--|
| Switch actuation               | On end   |
| Electrical connection          | Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup> |
| Contacts insulation form       | Zb   |
| Number of steps                | 1  |
| Positive opening               | With   |
| Positive opening minimum force | 45 N   |
| Minimum force for tripping     | 15 N   |
| Minimum actuation speed        | 0.01 m/min   |
| Maximum actuation speed        | 0.5 m/s  |

|  |  |
|--|--|
| Repeat accuracy                              | 0.05 mm on the tripping points with 1 million operating cycles   |
| Contact code designation                     | A300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 appendix A<br>Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A  |
| [Ithe] conventional enclosed thermal current | 10 A AC  |
| [Ui] rated insulation voltage                | 300 V conforming to CSA C22.2 No 14<br>500 V degree of pollution 3 conforming to IEC 60947-1<br>300 V conforming to UL 508   |
| Resistance across terminals                  | <= 25 MOhm conforming to IEC 60255-7 category 3  |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1   |
| Short-circuit protection                     | 10 A by gG cartridge fuse  |
| Electrical durability                        | 5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Mechanical durability                        | 20000000 cycles  |
| Width  | 64 mm  |
| Height                                       | 64 mm  |
| Depth  | 30 mm  |
| Product weight                               | 0.25 kg  |
| Terminals description ISO n°1                | (13-14)NO<br>(21-22)NC   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Shock resistance                      | 50 gn (duration = 11 ms) conforming to EN/IEC 60068-2-27                                |
| Vibration resistance                  | 25 gn (f = 10...500 Hz) conforming to EN/IEC 60068-2-6                                  |
| IP degree of protection               | IP66 conforming to EN/IEC 60529   |
| IK degree of protection               | IK05 conforming to EN 50102   |
| Electrical shock protection class     | Class I conforming to IEC 61140<br>Class I 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                             | EN 60204-1<br>EN 60947-5-1<br>IEC 60204-1<br>IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1007 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product end of life instructions | Need no specific recycling operations   |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

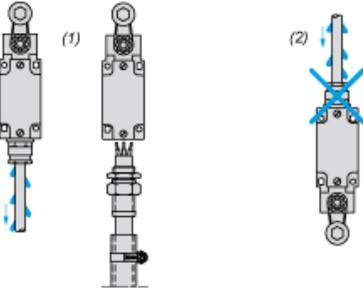


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Mounting with Cable Entry

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Position of Cable Gland



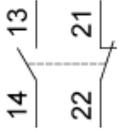
- (1) Recommended
- (2) To be avoided

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Wiring Diagram

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2-pole NC + NO Snap Action

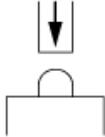


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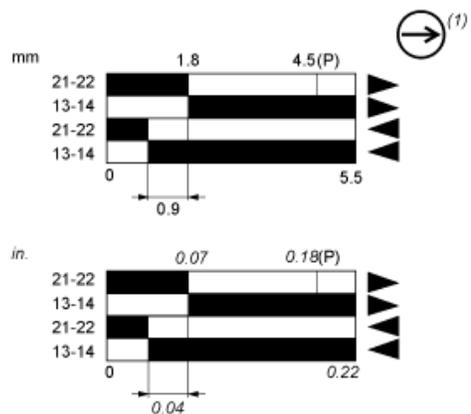
Characteristics of Actuation

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Switch Actuation on End



Functionnal Diagram



- (2)
- (3)
- ▼ (4)
- ▲ (5)

- (P) Positive opening point
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open
- (4) Tripping
- (5) Resetting

XCKM110 is replaced by:



Classic range XCKM110H29

limit switch XCKM - metal end plunger - 1NC+1NO - snap action - M20

Qty 1

Reason for Substitution: Rebranding | Substitution date: 15 February 2006