



## Main

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| Range of product              | OsiSense XC  |
| Series name                   | Standard format  |
| Product or component type     | Limit switch   |
| Device short name             | XCMD   |
| Sensor design                 | Miniature  |
| Body type                     | Plug-in body   |
| Head type                     | Rotary head  |
| Material                      | Metal  |
| Head material                 | Zamak  |
| Fixing mode                   | By the body  |
| Movement of operating head    | Rotary   |
| Type of operator              | Thermoplastic spring return roller lever (variable length) |
| Type of approach              | 2 directions lateral approach                              |
| Electrical connection         | M12 male connector , 4 pins                                |
| Number of poles               | 2  |
| Contacts type and composition | 1 C/O  |
| Contacts operation            | Snap action  |
| Positive opening              | Without  |

## Complementary

|  |   |
|--|---|
| Body material                          | Zamak   |
| Switch actuation                       | By 30° cam  |
| Contacts insulation form               | Za  |
| Minimum force for tripping             | 0.1 N   |
| Maximum actuation speed                | 1.5 m/s   |
| Contact code designation               | B300 , AC-15 (Ue = 240 V , Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A<br>R300 , DC-13 (Ue = 250 V , Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A  |
| [Ui] rated insulation voltage          | 300 V degree of pollution 3 conforming to UL 508<br>300 V degree of pollution 3 conforming to CSA C22-2 No 14<br>400 V degree of pollution 3 conforming to IEC 60947-5-1  |
| Resistance across terminals            | ≤ 25 mOhm conforming to IEC 60255-7 category 3  |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60664<br>4 kV conforming to IEC 60947-1  |
| Short circuit protection               | 6 A by gG cartridge fuse  |
| Electrical durability                  | 5000000 cycles , DC-13 , 24 V , 3 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 , 48 V , 2 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 , 120 V , 1 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn |
| Mechanical durability                  | 10000000 cycles   |
| Width                                  | 30 mm   |
| Height                                 | 50 mm   |
| Depth                                  | 16 mm   |
| Product weight                         | 0.135 kg  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

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| Shock resistance                           | 25 gn (duration = 18 ms) conforming to IEC 60068-2-27  |
| Vibration resistance                       | 5 gn (f = 10...500 Hz) conforming to IEC 60068-2-6   |
| IP degree of protection                    | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP68 conforming to IEC 60529 |
| IK degree of protection                    | IK06 conforming to EN 50102  |
| Class of protection against electric shock | Class I conforming to NF C 20-030<br>Class I conforming to IEC 61140                         |
| 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                                  | CSA C22-2 No 14<br>EN/IEC 60204-1<br>EN/IEC 60947-5-1<br>UL 508                              |
| RoHS EUR conformity date                   | 4Q2009   |
| RoHS EUR status                            | Will be compliant  |