



### Main

|                               |                                   |
|-------------------------------|-----------------------------------|
| Range of product              | OsiSense XC                       |
| Series name                   | Standard format                   |
| Product or component type     | Limit switch                      |
| Device short name             | XCMD                              |
| Sensor design                 | Miniature                         |
| Body type                     | Fixed                             |
| Head type                     | Multi-directional head            |
| Material                      | Metal                             |
| Fixing mode                   | By the body                       |
| Movement of operating head    | Multi-directional                 |
| Type of operator              | Metal spring return cat's whisker |
| Switch actuation              | By any moving part                |
| Type of approach              | Multi-directional approach        |
| Number of poles               | 2                                 |
| Contacts type and composition | 1 NO + 1 NC                       |
| Contacts operation            | Slow-break                        |
| Positive opening              | Without                           |
| Minimum force for tripping    | 0.1 N                             |
| Maximum actuation speed       | 1 m/s                             |

### Complementary

|  |   |
|--|---|
| Body material                          | Zamak   |
| Head material                          | Zamak   |
| Electrical connection                  | Removable cable connector   |
| Cable length                           | 1 m   |
| Cable composition                      | 5 x 0.75 mm <sup>2</sup>  |
| Wire insulation material               | PvR   |
| Contacts insulation form               | Zb  |
| 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 , 4 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 , 48 V , 3 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn<br>5000000 cycles , DC-13 , 120 V , 3 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn |
| Mechanical durability                  | 5000000 cycles  |
| Width                                  | 30 mm   |

|                |         |
|----------------|---------|
| Height         | 50 mm   |
| Depth          | 16 mm   |
| Product weight | 0.18 kg |

## Environment

|  |  |
|--|--|
| Shock resistance                           | 25 gn (duration = 18 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<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  |