

## Main

|                               |                                    |
|-------------------------------|------------------------------------|
| Range of product              | OsiSense XC                        |
| Series name                   | Standard format                    |
| Product or component type     | Limit switch                       |
| Device short name             | XCMN                               |
| Sensor design                 | Miniature                          |
| Body type                     | Fixed                              |
| Head type                     | Plunger head                       |
| Material                      | Plastic                            |
| Fixing mode                   | By the body                        |
| Movement of operating head    | Linear                             |
| Type of operator              | Metal spring return roller plunger |
| Switch actuation              | By 30° cam                         |
| Electrical connection         | Fixed cable                        |
| Cable length                  | 2 m                                |
| Number of poles               | 2                                  |
| Contacts type and composition | 1 NO + 1 NC                        |
| Contacts operation            | Snap action                        |
| Positive opening              | With                               |
| Minimum force for tripping    | 7 N                                |
| Maximum actuation speed       | 0.5 m/s                            |

## Complementary

|  |   |
|--|---|
| Body material                          | Plastic   |
| Head material                          | Zamak   |
| Type of approach                       | 2 directions lateral approach   |
| Cable composition                      | 4 x 0.75 mm <sup>2</sup>  |
| Wire insulation material               | PvR   |
| Contacts insulation form               | Zb  |
| Positive opening minimum force         | 35 N  |
| Contact code designation               | B300 , AC-15 (U <sub>e</sub> = 240 V , I <sub>e</sub> = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A<br>R300 , DC-13 (U <sub>e</sub> = 250 V , I <sub>e</sub> = 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 , 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<br>5000000 cycles , DC-13 , 24 V , 3 W , load factor: 0.5 , operating rate: ≤ 60 cyc/mn |
| Mechanical durability                  | 5000000 cycles  |

|                |         |
|----------------|---------|
| Width          | 30 mm   |
| Height         | 70.4 mm |
| Depth          | 16 mm   |
| Product weight | 0.08 kg |

## Environment

|  |  |
|--|--|
| 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                    | IP65 conforming to IEC 60529   |
| IK degree of protection                    | IK04 conforming to EN 50102  |
| Class of protection against electric shock | Class II conforming to NF C 20-030<br>Class II 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  |