

# XCMD2110L1

limit switch XCMD - metal end plunger - 1NC  
+1NO - snap - 1 m



## Main

|                               |                               |
|-------------------------------|-------------------------------|
| Commercial Status             | Commercialised                |
| 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                     | Plunger head                  |
| Material                      | Metal                         |
| Body material                 | Zamak                         |
| Head 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 |
| Number of poles               | 2                             |
| Contacts type and composition | 1 NC + 1 NO                   |
| Contacts operation            | Snap action                   |

## Complementary

|  |  |
|--|--|
| Switch actuation                       | On end   |
| 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   |
| Positive opening                       | With   |
| Positive opening minimum force         | 42.5 N   |
| Minimum force for tripping             | 8.5 N  |
| Minimum actuation speed                | 0.01 m/min   |
| Maximum actuation speed                | 0.5 m/s  |
| Contact code designation               | 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<br>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   |
| [Ui] rated insulation voltage          | 400 V degree of pollution 3 conforming to IEC 60947-5-1<br>300 V degree of pollution 3 conforming to UL 508<br>300 V degree of pollution 3 conforming to CSA C22-2 No 14   |
| Resistance across terminals            | <= 25 MOhm conforming to IEC 60255-7 category 3  |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-1<br>4 kV conforming to IEC 60664   |
| Short circuit protection               | 6 A by gG cartridge fuse   |
| Electrical durability                  | 5000000 cycles, DC-13, 48 V, 2 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, 24 V, 3 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>5000000 cycles, DC-13, 120 V, 1 W, operating rate: <= 60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |

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|                       |                 |
|-----------------------|-----------------|
| Mechanical durability | 10000000 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                       | 5 gn (f = 10...500 Hz) conforming to IEC 60068-2-6   |
| IP degree of protection                    | IP68 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP66 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                              |