# Product data sheet
## Characteristics

# XCMD2102L3
## limit switch XCMD - steel roller plunger - 1NC +1NO - snap - 3 m




### 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 | 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 roller plunger metal |
| Type of approach | Lateral approach 2 directions |
| Number of poles | 2 |
| Contacts type and composition | 1 NC + 1 NO |
| Contacts operation | Snap action |

### Complementary

| | |
|---|---|
| Switch actuation | By 30° cam |
| Electrical connection | Removable cable connector |
| Cable length | 3 m |
| Cable composition | 5 x 0.75 mm² |
| Wire insulation material | PvR |
| Contacts insulation form | Zb |
| Positive opening | With |
| Positive opening minimum force | 35 N |
| Minimum force for tripping | 7 N |
| Maximum actuation speed | 0.5 m/s |
| Contact code designation | R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A<br>B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 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<br>300 V degree of pollution 3 conforming to UL 508 |
| [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 |
| Mechanical durability | 10000000 cycles |

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| | |
|---|---|
| Width | 30 mm |
| Height | 50 mm |
| Depth | 16 mm |

## Environment

| | |
|---|---|
| Ambient air temperature for operation | -25...70 °C |
| Product certifications | CSA<br>UL |
| Standards | EN 60947-5-1<br>IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14 |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS | Compliant - since 1002 - Schneider Electric declaration of conformity |
| Product environmental profile | Available Download Product Environmental |
| Product end of life instructions | Available Download End Of Life Manual |