

# XCNT2502G11

Limit switch, Limit switches XC Standard, XCNT, plastic roller plunger, 1NC+1 NO, slow, Pg11



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Telemecanique Limit switches XC Standard |
| Series name                   | Standard format                          |
| Product or component type     | Limit switch                             |
| Device short name             | XCNT                                     |
| Sensor design                 | Compact                                  |
| Body type                     | Fixed                                    |
| Head type                     | Plunger head                             |
| Material                      | Plastic                                  |
| Body material                 | Plastic                                  |
| Head material                 | Plastic                                  |
| Fixing mode                   | By the body                              |
| Movement of operating head    | Linear                                   |
| Type of operator              | Spring return roller plunger plastic     |
| Type of approach              | Lateral approach, 2 directions           |
| Cable entry                   | 2 entries tapped for Pg 11 cable gland   |
| Number of poles               | 2  |
| Contacts type and composition | 1 NC + 1 NO                              |
| Contact operation             | Slow-break, break before make            |

## Complementary

|  |   |
|--|---|
| Switch actuation                       | By 30° cam  |
| Electrical connection                  | Screw-clamp open terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>   |
| Contacts insulation form               | Zb  |
| Positive opening                       | With  |
| Positive opening minimum force         | 20 N  |
| Minimum force for tripping             | 12 N  |
| Maximum actuation speed                | 0.3 m/s   |
| Contact code designation               | A300, AC-15 (Ue = 240 V), Ie = 3 A, Ithe = 10 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 conforming to UL 508<br>500 V (pollution degree 3) conforming to IEC 60947-1<br>300 V conforming to CSA C22.2 No 14   |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664<br>6 kV conforming to IEC 60947-1  |
| Short-circuit protection               | 10 A cartridge fuse, type gG  |
| Mechanical durability                  | 10000000 cycles   |
| Width                                  | 58.8 mm   |
| Height                                 | 77.6 mm   |
| Depth                                  | 30.5 mm   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Shock resistance                      | 50 gn for 11 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               | IP65 conforming to IEC 60529   |
| IK degree of protection               | IK04 conforming to EN 50102  |
| Electrical shock protection class     | Class II conforming to IEC 61140<br>Class II conforming to NF C 20-030 |
| Ambient air temperature for operation | -25...70 °C  |
| Ambient air temperature for storage   | -40...70 °C  |
| Protective treatment                  | TC   |
| Product certifications                | CCC[RETURN]CSA[RETURN]UL   |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60204-1<br>UL 508        |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 3.1 cm   |
| Package 1 Width              | 5.8 cm   |
| Package 1 Length             | 7.8 cm   |
| Package 1 Weight             | 93 g     |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 10       |
| Package 2 Height             | 30 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 1.644 kg |

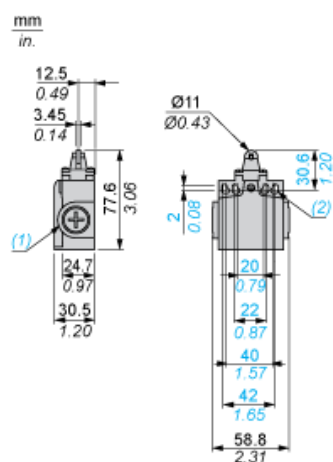
## Offer Sustainability

|  |  |
|--|--|
| Sustainable offer status                   | Green Premium product  |
| California proposition 65                  | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| For all Reach Rohs enquiries contact us at | <a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>   |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Dimensions



- (1) 2 tapped entry for Pg 11 cable gland  
(2) Ø: 4 elongated holes Ø 4.3 x 6.3

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## Mounting with Cable Entry

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### Position of Cable Gland



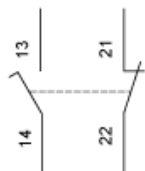
- (1) Recommended  
(2) To be avoided

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## Wiring Diagram

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2-pole N/C + N/O Break before Make, Slow Break

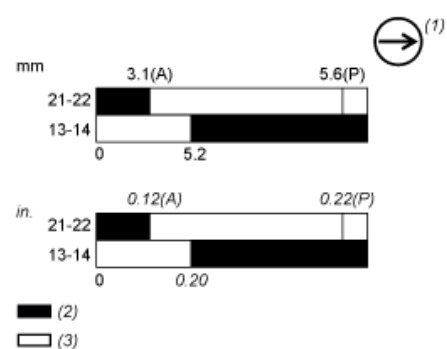


## Characteristics of Actuation

### Switch Actuation by 30° Cam



## Functionnal Diagram



- (P) Positive opening point
- (A) Cam displacement
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open