

# XCNT2745G11

limit switch XCNT - th.plastic roller lever  
var.length - 2NC - 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                     | Rotary head                                              |
| Material                      | Plastic                                                  |
| Body material                 | Plastic                                                  |
| Head material                 | Plastic                                                  |
| Fixing Mode                   | By the body                                              |
| Movement of operating head    | Rotary                                                   |
| Type of operator              | Spring return roller lever thermoplastic variable length |
| 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 | 2 NC                                                     |
| Contact operation             | Slow-break, simultaneous                                 |

## Complementary

|                                        |                                                                                                                                         |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Switch actuation                       | By 30° cam                                                                                                                              |
| Electrical connection                  | Screw-clamp open terminals 1 x 0.34...2 x 1.5 mm²                                                                                       |
| Contacts insulation form               | Zb                                                                                                                                      |
| Positive opening                       | With                                                                                                                                    |
| Positive opening minimum torque        | 1.33 lbf.in (0.15 N.m)                                                                                                                  |
| Minimum torque for tripping            | 0.89 lbf.in (0.1 N.m)                                                                                                                   |
| Maximum actuation speed                | 4.92 ft/s (1.5 m/s)                                                                                                                     |
| Contact code designation               | A300, AC-15 (Ue = 240 V), Ie = 3 A 10 A EN/IEC 60947-5-1 appendix A<br>R300, DC-13 (Ue = 250 V), Ie = 0.1 A EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage          | 300 VUL 508<br>500 V 3)IEC 60947-1<br>300 VCSA C22.2 No 14                                                                              |
| [Uimp] rated impulse withstand voltage | 6 KV IEC 60664<br>6 kV IEC 60947-1                                                                                                      |
| Short-circuit protection               | 10 A cartridge fuse gG                                                                                                                  |
| Mechanical durability                  | 10000000 cycles                                                                                                                         |
| Width                                  | 2.31 in (58.8 mm)                                                                                                                       |
| Height                                 | 4.31 in (109.6 mm)                                                                                                                      |
| Depth                                  | 1.66 in (42.2 mm)                                                                                                                       |

## Environment

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Shock resistance                      | 35 gn 11 ms IEC 60068-2-27                                      |
| Vibration resistance                  | 25 gn 10...500 Hz)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 IEC 61140<br>Class II NF C 20-030                      |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                      |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                      |
| Protective treatment                  | TC                                                              |
| Product Certifications                | CCC[RETURN]UL[RETURN]CSA                                        |
| Standards                             | EN/IEC 60947-5-1<br>UL 508<br>EN/IEC 60204-1<br>CSA C22.2 No 14 |

## Ordering and shipping details

|                   |                               |
|-------------------|-------------------------------|
| Category          | 22435-LIMIT SWITCHES,TYPE XCM |
| Discount Schedule | T                             |
| GTIN              | 03389119047562                |
| Returnability     | No                            |
| Country of origin | ID                            |

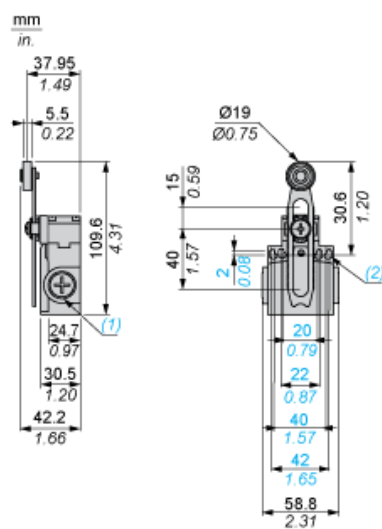
## Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

## 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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## Mounting with Rotary Heads and Levers

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### Type of Cam



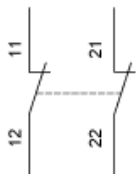
- (1) Recommended
- (2) To be avoided

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## Wiring Diagram

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2-pole NC + NC Simultaneous, Slow Break

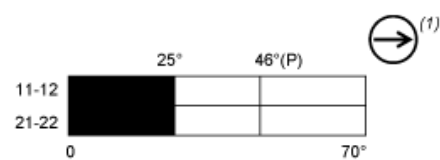


## Characteristics of Actuation

### Switch Actuation by 30° Cam



## Functionnal Diagram



Black (2)

White (3)

(P) Positive opening point

(1) NC contact with positive opening operation

(2) Closed

(3) Open