

# XCNT2718P16

limit switch XCNT - thermoplastic roller lever -  
2NC - slow - M16



## 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                                    |
| Type of approach              | Lateral approach, 2 directions  |
| Cable entry                   | 2 entries tapped for M16 x 1.5 cable gland, cable outer diameter: 7...13 mm |
| 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, clamping capacity: 1 x 0.34...2 x 1.5 mm²   |
| Contacts insulation form               | Zb  |
| Positive opening                       | With  |
| Positive opening minimum torque        | 0.15 N.m  |
| Minimum torque for tripping            | 0.1 N.m   |
| Maximum actuation speed                | 1.5 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   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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]UL[RETURN]CSA   |
| Standards                             | UL 508<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1        |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 4.4 cm  |
| Package 1 Width              | 5.8 cm  |
| Package 1 Length             | 10.1 cm |
| Package 1 Weight             | 205 g   |

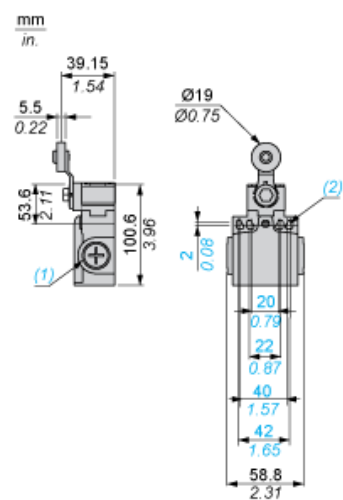
## Offer Sustainability

|  |                              |
|--|------------------------------|
| Sustainable offer status                   | Green Premium product        |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |

## Contractual warranty

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

## Dimensions



- (1) 2 tapped entry for M16 x 1.5  
(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



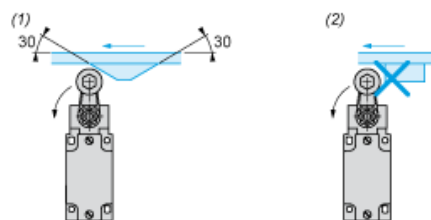
- (1) Recommended
- (2) To be avoided

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## Mounting with Rotary Heads and Levers

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### Type of Cam



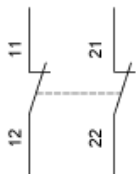
- (1) Recommended
- (2) To be avoided

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Wiring Diagram

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2-pole NC + NC Simultaneous, Slow Break



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## Characteristics of Actuation

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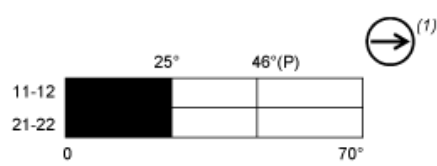
### Switch Actuation by 30° Cam



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## Functionnal Diagram

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■ (2)

□ (3)

(P) Positive opening point

(1) NC contact with positive opening operation

(2) Closed

(3) Open