

# Product data sheet Characteristics

# XCNT2506P16

limit switch XCNT - cat's whisker - 1NC+1NO - 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	Multi-directional head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Multi-directional
Type of operator	Spring return cat"s whisker
Type of approach	Multi-directional approach
Cable entry	2 entries tapped for M16 x 1.5 cable gland, cable outer diameter: 713 mm
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Slow-break, break before make

#### Complementary

- Complementary	
Switch actuation	By any moving part
Electrical connection	Screw-clamp open terminals, clamping capacity: 1 x 0.342 x 1.5 mm²
Contacts insulation form	Zb
Minimum torque for tripping	0.13 N.m
Maximum actuation speed	1 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 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 508 500 V (pollution degree 3) conforming to IEC 60947-1 300 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short-circuit protection	10 A cartridge fuse, type gG
Mechanical durability	5000000 cycles
Width	58.8 mm
Height	189 mm
Depth	30.5 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

#### Environment

50 gn for 11 ms conforming to IEC 60068-2-27	
25 gn (f= 10500 Hz) conforming to IEC 60068-2-6	
IP65 conforming to IEC 60529	
IK04 conforming to EN 50102	
Class II conforming to IEC 61140 Class II conforming to NF C 20-030	
-2570 °C	
-4070 °C	
TC	
UL[RETURN]CSA[RETURN]CCC	
UL 508 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60204-1	
	25 gn (f= 10500 Hz) conforming to IEC 60068-2-6  IP65 conforming to IEC 60529  IK04 conforming to EN 50102  Class II conforming to IEC 61140  Class II conforming to NF C 20-030  -2570 °C  -4070 °C  TC  UL[RETURN]CSA[RETURN]CCC  UL 508  CSA C22.2 No 14  EN/IEC 60947-5-1

## Packing Units

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

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EPEU RoHS  Declaration
Mercury free	Yes
RoHS exemption information	€Yes

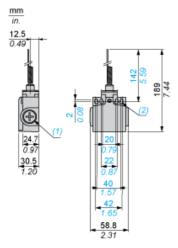
## Contractual warranty

Warranty	18 months

## Product data sheet **Dimensions Drawings**

# XCNT2506P16

#### **Dimensions**

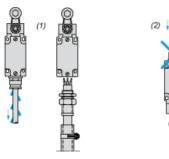


- (1) 2 tapped entry for M16 x 1.5
   (2) Ø: 4 elongated holes Ø 4.3 x 6.3

# XCNT2506P16

### Mounting with Cable Entry

### Position of Cable Gland



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

## Product data sheet Connections and Schema

# XCNT2506P16

## Wiring Diagram

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



# Product data sheet Technical Description

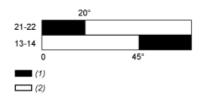
# XCNT2506P16

#### Characteristics of Actuation

Switch Actuation by Any Moving Part



### **Functionnal Diagram**



- (1) Closed
- (2) Open