

# XCNT2149P16

limit switch XCNT - plastic roller lever Ø50 var.length  
- 1NC+1NO - snap - M16



## Main

Range of product	OsiSense XC
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, roller diameter 50 mm)
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	1 NC + 1 NO
Contact operation	Snap action

## 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 torque	0.15 N.m
Minimum torque for tripping	0.1 N.m
Maximum actuation speed	1.5 m/s
Contact code designation	R300, DC-13 (U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A A300, AC-15 (U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A), I <sub>the</sub> = 10 A conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508 300 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	10000000 cycles
Width	58.8 mm
Height	125.1 mm
Depth	47.8 mm

## Environment

shock resistance	15 gn (duration = 11 ms) conforming to IEC 60068-2-27
vibration resistance	15 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

IK degree of protection	IK04 conforming to EN 50102
electrical shock protection class	Class II conforming to IEC 61140 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 CSA UL
standards	EN/IEC 60204-1 EN/IEC 60947-5-1 UL 508 CSA C22.2 No 14

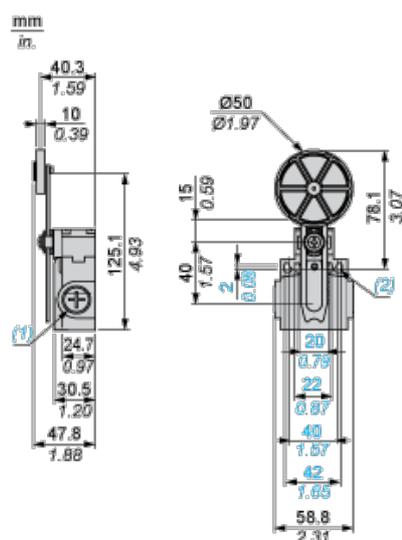
## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1024 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

## Contractual warranty

Warranty period	18 months
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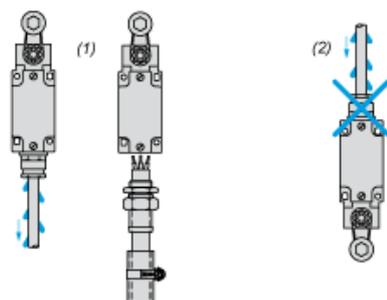
## Dimensions



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

## Mounting with Cable Entry

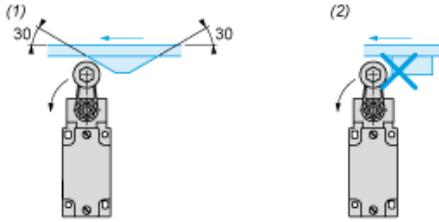
### Position of Cable Gland



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

## Mounting with Rotary Heads and Levers

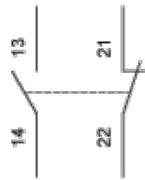
### Type of Cam



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

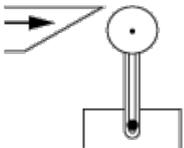
## Wiring Diagram

### 2-pole NC + NO Snap Action

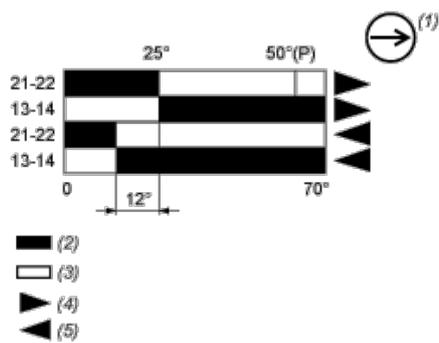


## Characteristics of Actuation

### Switch Actuation by 30° Cam



## Functionnal Diagram



- (P) Positive opening point
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open
- (4) Tripping
- (5) Resetting