

**Main**

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKL
Body type	Fixed
Head type	Multi-directional head
Material	Metal
Body material	Zamak
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	1 entry tapped for 1/2" NPT cable gland
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

**Complementary**

Switch actuation	By any moving part
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Number of steps	1
Positive opening	Without
Minimum torque for tripping	1.15 lbf.in (0.13 N.m)
Minimum actuation speed	0.01 m/min
Maximum actuation speed	3.28 ft/s (1 m/s)
Contact code designation	A300, AC-15 (Ue = 240 V), Ie = 3 A conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 (Ue = 250 V), Ie = 0.27 A conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	10 A AC
[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
Maximum resistance across terminals	25 MOhm IEC 60255-7 category 3
[Uiimp] rated impulse withstand voltage	6 KV IEC 60664 6 KV IEC 60947-1
Short-circuit protection	10 A cartridge fuse, type gG
Electrical durability	5000000 Cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 Cycles, DC-13, inductive load type, 24 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	10000000 cycles
Maximum Width	2.05 in (52 mm)
Height	2.83 in (72 mm)

Depth	1.18 in (30 mm)
Terminals description ISO n°1	(13-14)NO (21-22)NC

## Environment

Shock resistance	50 gn for 11 ms conforming to EN/IEC 60068-2-27
Vibration resistance	25 gn (f= 10...500 Hz) conforming to EN/IEC 60068-2-6
IP degree of protection	IP66 conforming to EN/IEC 60529
IK degree of protection	IK05 EN 50102
Electrical shock protection class	Class I IEC 61140 Class I 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	CSA UL
Standards	CSA C22.2 No 14 EN 60204-1 IEC 60204-1 UL 508 IEC 60947-5-1 EN 60947-5-1

## Ordering and shipping details

Category	22416 - LIMIT SWITCHES, IEC, XCKL
Discount Schedule	T
GTIN	00785901451624
Nbr. of units in pkg.	1
Package weight(Lbs)	0.55 lb(US) (0.25 kg)
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.26 in (3.2 cm)
Package 1 width	8.50 in (21.6 cm)
Package 1 Length	2.44 in (6.2 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Weight	12.54 lb(US) (5.686 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl 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>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

## Contractual warranty

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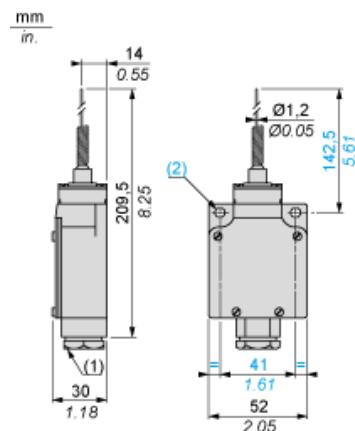
Warranty	18 months
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Dimensions

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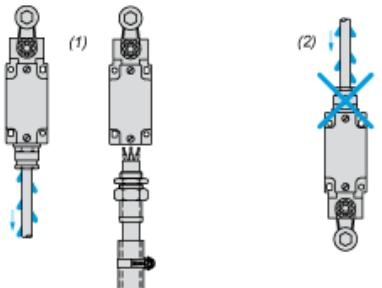
(1) 1/2" NPT  
Ø : 2 elongated holes Ø 5.2 x 6.2

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### Mounting with Cable Entry

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#### Position of Cable Gland



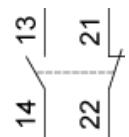
(1) Recommended  
(2) To be avoided

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Wiring Diagram

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2-pole NC + NO Snap Action

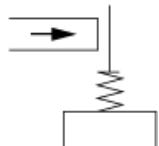


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### Characteristics of Actuation

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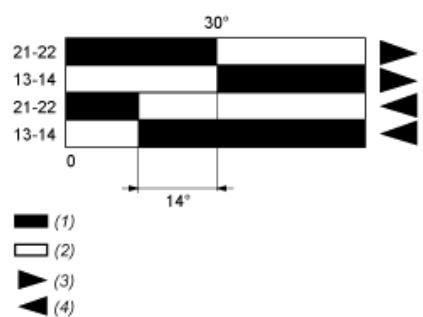
#### Switch Actuation by Any Moving Part



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### Functionnal Diagram

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- (1) Closed
- (2) Open
- (3) Tripping
- (4) Resetting