



## Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCKN
Sensor design	Compact
Body type	Fixed
Head type	Plunger head
Material	Plastic
Body material	Plastic
Head material	Plastic
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return roller lever plunger thermoplastic
Type of approach	Lateral approach, 1 direction
Cable entry	1 entry tapped for M20 x 1.5 cable gland 0.28... 0.51 in (7...13 mm)
Number of poles	2
Contacts type and composition	2 NC
Contact operation	Slow-break, simultaneous
Sale per indivisible quantity	20

## Complementary

Switch actuation	By 30° cam
Electrical connection	Screw-clamp terminals 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	10 N
Minimum force for tripping	6 N
Maximum actuation speed	3.28 ft/s (1 m/s)
Contact code designation	A300, AC-15 (U <sub>e</sub> = 240 V), I <sub>e</sub> = 3 A 10 A EN/IEC 60947-5-1 appendix A 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
[Ui] rated insulation voltage	300 VUL 508 500 V 3)IEC 60947-1 300 VCSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV IEC 60664 6 kV IEC 60947-1
Short-circuit protection	10 A cartridge fuse gG
Mechanical durability	10000000 cycles
Maximum Width	1.18 in (30 mm)
Height	3.70 in (94 mm)
Depth	1.18 in (30 mm)
Net Weight	0.15 lb(US) (0.07 kg)
Terminals description ISO n°1	(21-22)NC (11-12)NC

## Environment

Shock resistance	45 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn 10...500 Hz)IEC 60068-2-6
IP degree of protection	IP65 IEC 60529
IK degree of protection	IK04 EN 50102
Overvoltage category	Class II IEC 61140 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 UL CSA
Standards	EN/IEC 60947-5-1 UL 508 EN/IEC 60204-1 CSA C22.2 No 14

## Ordering and shipping details

Category	22435 - LIMIT SWITCHES,TYPE XCM
Discount Schedule	T
GTIN	03389119042611
Nbr. of units in pkg.	20
Package weight(Lbs)	0.15 lb(US) (0.07 kg)
Returnability	No
Country of origin	ID

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.18 in (3 cm)
Package 1 width	1.18 in (3 cm)
Package 1 Length	3.69 in (9.37 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl 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	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Contractual warranty

Warranty	18 months
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Technical drawings of the 1000 Series Hydraulic Cylinder. The left drawing is a front view showing a cylinder with a 30 mm diameter, 93.7 mm height, and 1.18 mm base. The right drawing is a side view showing a 14 mm bore diameter, 39.2 mm height, and 1.18 mm base. Dimensions are provided in both mm and inches.

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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

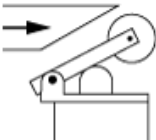
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2-pole NC + NC Simultaneous, Slow Break

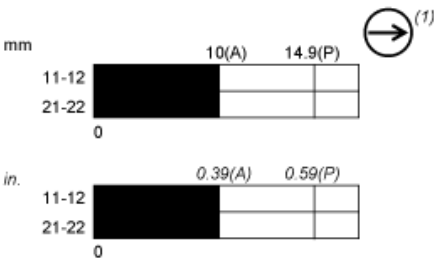


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



- (2)
- (3)
- (P) Positive opening point
- (A) Cam displacement
- (1) NC contact with positive opening operation
- (2) Closed
- (3) Open