

Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

Range of product	OsiSense XC
Series name	Standard format
Product or component type	Limit switch
Device short name	XCNTR
Sensor design	Compact
Reset	With
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 plunger plastic
Type of approach	Lateral approach 2 directions
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 terminals, clamping capacity: 1 x 0.34...2 x 1.5 mm <sup>2</sup>
Cable entry	2 entries tapped for Pg 11 cable gland
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	20 N
Minimum force for tripping	12 N
Maximum actuation speed	0.98 ft/s (0.3 m/s)
Contact code designation	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 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 V conforming to CSA C22.2 No 14 300 V conforming to UL 508 500 V degree of pollution 3 conforming to EN/IEC 60947-1
[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	100000 cycles
Width	2.31 in (58.8 mm)
Depth	1.51 in (38.28 mm)

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## Environment

Shock resistance	50 gn (duration = 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 Class II conforming to NF C 20030
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	UL CSA CCC
Standards	UL 508 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60204-1

## Ordering and shipping details

Category	22435 - LIMIT SWITCHES,TYPE XCM
Discount Schedule	T
GTIN	003389119047937
Nbr. of units in pkg.	10
Package weight(Lbs)	0.35000000000000003
Returnability	N
Country of origin	ID

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1024 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
- - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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Technical drawing of the 1000 Series Hydraulic Cylinder, showing front and side views with dimensions in mm and inches.

**Front View Dimensions:**

- Top flange diameter: 12.5 mm (0.49 in.)
- Flange thickness: 3.5 mm (0.14 in.)
- Stroke length: 93.1 mm (3.67 in.)
- Mounting eye diameter: 24.7 mm (0.97 in.)
- Mounting eye offset: 30.5 mm (1.20 in.)
- Mounting eye offset (alternative): 38.28 mm (1.51 in.)

**Side View Dimensions:**

- Port diameter: Ø11 mm (Ø0.43 in.)
- Port offset: 2 mm (0.08 in.)
- Port offset (alternative): 20 mm (0.79 in.)
- Port offset (alternative): 22 mm (0.87 in.)
- Port offset (alternative): 40 mm (1.58 in.)
- Port offset (alternative): 42 mm (1.65 in.)
- Port offset (alternative): 58.8 mm (2.32 in.)
- Port offset (alternative): 46.1 mm (1.82 in.)

- (1) 2 tapped entry for Pg 11 cable gland
- (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



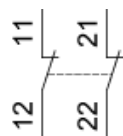
- (1) Recommended  
(2) To be avoided

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Wiring Diagrams

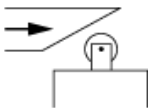
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2-pole NC + NC Simultaneous, Slow Break

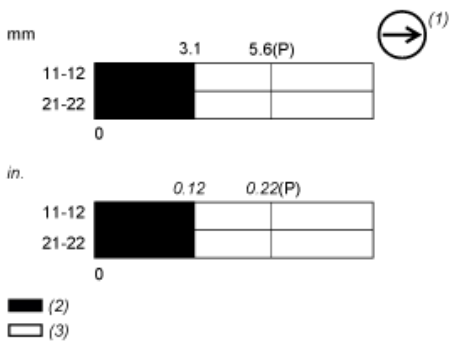


Characteristics of Actuation

Switch Actuation by 30° Cam



Functionnal Diagram



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

# Mouser Electronics

Authorized Distributor

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[XCNTR2702G11](#)