

### Main

Range of product	OsiSense XC
Series name	Special format
Product or component type	Limit switch
Product specific application	For severe applications
Device short name	XC2J
Body type	Fixed
Head type	Rotary head
Material	Metal
Movement of operating head	Rotary
Type of operator	Thermoplastic roller lever, variable length
Switch actuation	By 30° cam
Type of approach	Lateral approach, 1 direction programmable
Number of poles	1
Contact operation	Snap action
Minimum torque for tripping	1.77 lbf.in (0.2 N.m)
Maximum actuation speed	1.64 ft/s (0.5 m/s)
Repeat accuracy	0.01 mm with 1 million operating cycles

### Complementary

Fixing mode	By the body
Electrical connection	Screw-clamp terminals, 1 x 0.5...2 x 2.5 mm <sup>2</sup>
Cable entry	1 entry incorporating cable gland, cable outer diameter: 0.24...0.53 in (6...13.5 mm)
Contacts insulation form	Za
Contacts material	Silver plated contacts
Positive opening	Without
Minimum actuation speed	0.001 m/min
Contact code designation	AC-15 A300(U <sub>e</sub> = 240 V, I <sub>e</sub> = 3 A) I <sub>the</sub> = 10 A EN/IEC 60947-5-1 DC-13 Q300(U <sub>e</sub> = 250 V, I <sub>e</sub> = 0.27 A) EN/IEC 60947-5-1
[Ui] rated insulation voltage	500 V conforming to IEC 60947-5-1 500 V conforming to NF C 20-040 group C 300 V conforming to CSA C22.2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3 <= 25 MOhm conforming to NF C 93-050 method A
Short-circuit protection	10 A by cartridge fuse, type gG
Electrical durability	5000000 cycles DC-13, 120 V 4 W, <= 3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 24 V 10 W, <= 3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles DC-13, 48 V 7 W, <= 3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mechanical durability	30000000 cycles
Width	1.57 in (40 mm)
Height	4.76 in (121 mm)
Depth	1.61 in (41 mm)
Product weight	1.22 lb(US) (0.555 kg)
Terminals description ISO n°1	(13-14-11-12)OF

### Environment

shock resistance	25 gn 18 ms conforming to IEC 60068-2-27
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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.

vibration resistance	10 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529 IP657 conforming to NF C 20-010
IK degree of protection	IK08
electrical shock protection class	Class I conforming to IEC 60536 Class I conforming to 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 DEMKO NEMKO
standards	EN/IEC 60947-5-1 IEC 60337-1 UL 508 VDE 0660-200 CSA C22.2 No 14

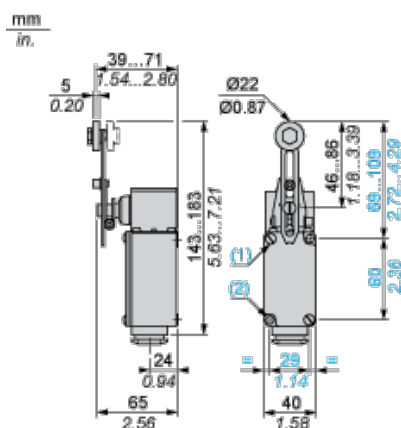
## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1149 - Schneider Electric declaration of conformity	Compliant - since 1149 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	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.	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>	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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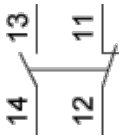
## Dimensions



- (1) Fixing from the rear: by 2 M5 screws. Depth of thread on switch: 10 mm.
- (2) Fixing from the front via 2 holes Ø 5.5.

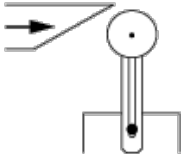
## Wiring Diagram

### Single-pole CO Snap Action

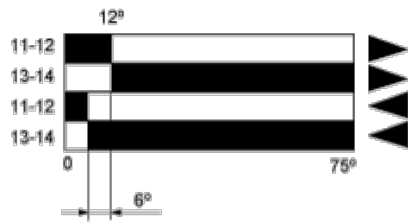


## Characteristics of Actuation

### Switch Actuation by 30° Cam



## Functionnal Diagram



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