



## Main

Range of product	OsiSense XC
Series name	Special format
Product or component type	Limit switch
Product specific application	For conveyor belt shift monitoring
Device short name	XCRT
Sensor design	-
Body type	Fixed
Head type	Rotary head
Material	Polyester
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Stainless steel spring return roller (with lever)
Type of approach	2 directions lateral approach
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm <sup>2</sup>
Number of poles	2
Contacts type and composition	2 C/O
Contact operation	Snap action
Contact block per direction [control circuit]	2 per direction
Positive opening	Without

## Complementary

Body material	Polyester
Switch actuation	By conveyor belt
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 0.35...0.47 in (9...12 mm) conforming to NF C 68-300
Contacts insulation form	Za
Number of steps	2
Minimum torque for tripping	8.85 lbf.in (1 N.m)
Minimum actuation speed	0.01 m/min
Tripping angle	10 ° for fault signalling 18 ° for stopping of the conveyor belt
Maximum displacement angle	70 ° -70 °
Contact code designation	A300, AC-15 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1 appendix A Q300, DC-13 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	500 V degree of pollution 3 conforming to IEC 60947-1 500 V degree of pollution 3 conforming to VDE 0110 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60664 6 kV conforming to IEC 60947-1
Short-circuit protection	10 A by gG cartridge fuse
Electrical durability	5000000 cycles, DC-13 inductive load type, 120 V, 4 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C 5000000 cycles, DC-13 inductive load type, 24 V, 7 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C 5000000 cycles, DC-13 inductive load type, 48 V, 10 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C

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.

Mechanical durability	300000 cycles
Width	3.35 in (85 mm)
Height	3.74 in (95 mm)
Depth	2.95 in (75 mm)
Product weight	2.55 lb(US) (1.155 kg)
Terminals description ISO n°1	(11-12)NC (13-14)NO

## Environment

shock resistance	30 gn (duration = 18 ms) conforming to IEC 60068-2-27
vibration resistance	9 gn (f = 10...500 Hz) conforming to IEC 60068-2-6
IP degree of protection	IP65 conforming to IEC 60529
overvoltage category	Class I conforming to NF C 20-030 Class I conforming to IEC 61140
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
standards	EN 60204-1 EN 60947-5-1 IEC 60204-1 IEC 60947-5-1 NF C 79-130 CSA C22.2 No 14

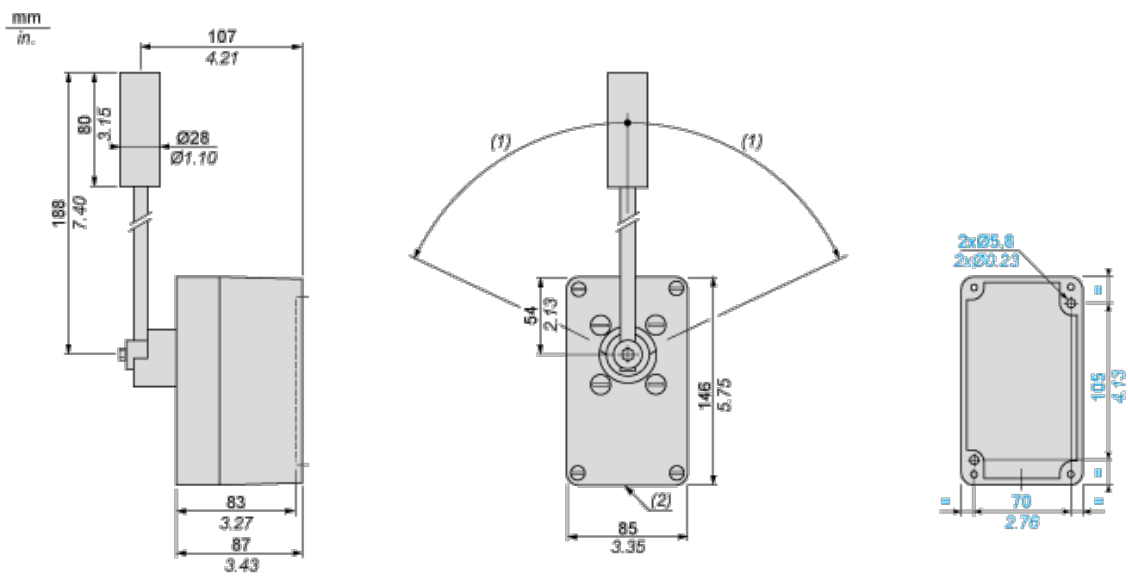
## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1402 - Schneider Electric declaration of conformity	Compliant - since 1402 - 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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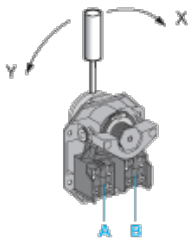
## Dimensions



- (1) 70° max.
- (2) 1 plain entry for Pg 13.5 cable gland

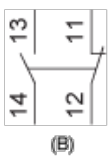
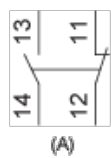
## Wiring Diagram

### 2 Single-pole CO Snap Action



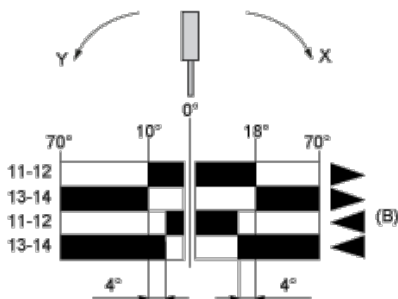
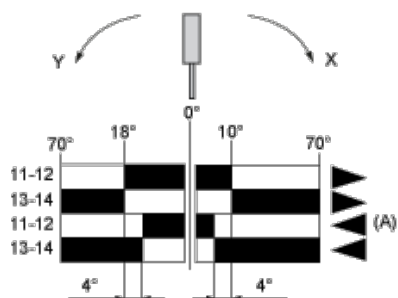
- (A) 1<sup>st</sup> contact
- (B) 2<sup>nd</sup> contact

### 2 Single-pole CO Snap Action



- (A) 1<sup>st</sup> contact
- (B) 2<sup>nd</sup> contact

## Functionnal Diagram



- (A) 1st contact  
 (B) 2nd contact  
 (1) Closed  
 (2) Open  
 (3) Tripping  
 (4) Resetting