

# XCRT115

limit switch XCRT - metal enclosure zinc plated  
steel roller with lever - 2C/O



## 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	Metal
Fixing mode	By the body
Movement of operating head	Rotary
Type of operator	Zinc plated 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
Contacts operation	Snap action
Contact block per direction (control circuit)	2 per direction
Positive opening	Without

## Complementary

Body material	Zinc alloy
Switch actuation	By conveyor belt
Cable entry	1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9...12 mm conforming to NF C 68-300
Contacts insulation form	Za
Number of steps	2
Minimum torque for tripping	1 N.m
Minimum actuation speed	0.01 m/min
Tripping angle	18 ° for stopping of the conveyor belt 10 ° for fault signalling
Maximum displacement angle	90 ° -90 °
Contact code designation	Q300, DC-13 250 V, I <sub>e</sub> = 0.27 A) conforming to EN/IEC 60947-5-1 appendix A A300, AC-15 240 V, I <sub>e</sub> = 3 A) conforming to EN/IEC 60947-5-1 appendix A
[Ui] rated insulation voltage	300 V conforming to CSA C22.2 No 14 500 V degree of pollution 3 conforming to VDE 0110 500 V degree of pollution 3 conforming to IEC 60947-1 300 V conforming to UL 508
Resistance across terminals	<= 25 MOhm conforming to IEC 60255-7 category 3
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1 6 kV conforming to IEC 60664
Short circuit protection	10 A by gG cartridge fuse

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.

Electrical durability	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 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, 120 V, 4 W, load factor: 0.5, operating rate: <= 60 cyc/mn IEC 60947-5-1 appendix C
Mechanical durability	300000 cycles
Width	85 mm
Height	95 mm
Depth	75 mm
Product weight	1.17 kg
Terminals description ISO n°1	(11-12)NC (13-14)NO

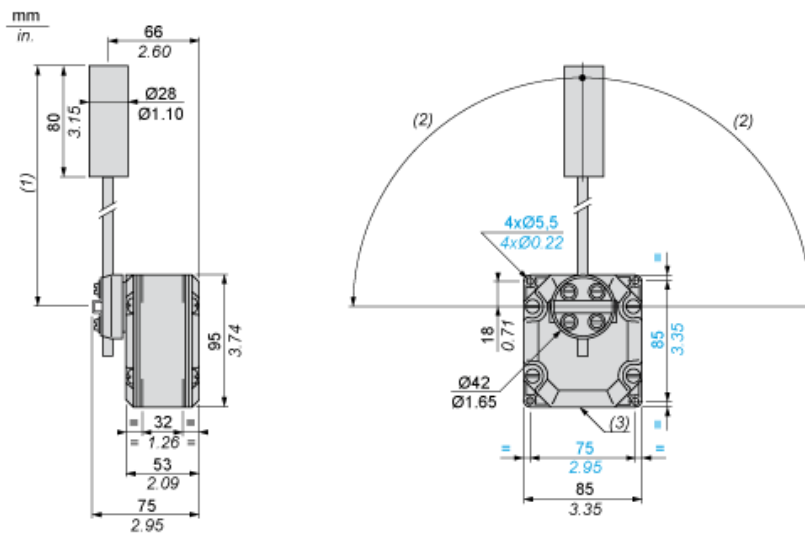
## Environment

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
Class of protection against electric shock	Class I conforming to NF C 20-030 Class I conforming to IEC 61140
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-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

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1019 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available <a href="#">Download Product Environmental</a>
Product end of life instructions	Need no specific recycling operations

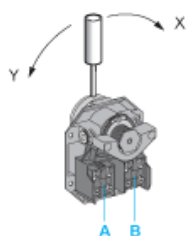
## Dimensions



- (1) 200 mm max. 104 mm min.
- (2) 90° max.
- (3) 1 tapped entry for Pg 13.5 cable gland

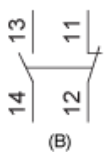
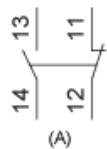
## Wiring Diagram

### 2 Single-pole CO Snap Action



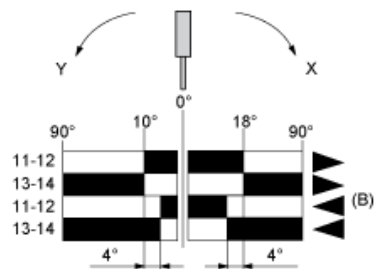
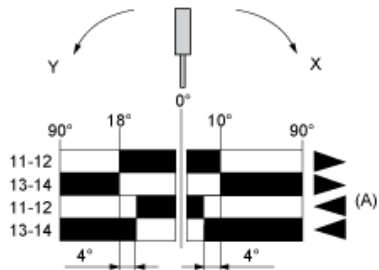
- (A) 1<sup>st</sup> contact
- (B) 2<sup>nd</sup> contact

### 2 Single-pole CO Snap Action



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

Functionnal Diagram



- (1)
- (2)
- ▶ (3)
- ◀ (4)

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