

# Product data sheet

# XCRT215

Limit switch XCRT, metal enclosure, stainless steel roller lever, 2CO

## Main

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|---|---|
| Range of product | OsiSense XC |
| Series name | Special format |
| Product or component type | Limit switch |
| Device short name | XCRT |
| Product specific application | For conveyor belt shift monitoring |
| ETIM classification | ETIM 9 - EC000030 - End switch |
| Body type | Fixed |
| Head type | Rotary head |
| Material | Metal |
| Body material | Zinc alloy |
| Fixing mode | By the body |
| Movement of operating head | Rotary |
| Type of operator | Spring return roller stainless steel with lever |
| Switch actuation | By conveyor belt |
| Type of approach | Lateral approach, 2 directions |
| Number of poles | 2 |
| Standards | CSA C22.2 No 14<br>IEC 60204-1<br>IEC 60947-5-1<br>NF C 79-130 |
| Range compatibility | OSISENSE XC |
| Indivisible sale quantity | 1 |

## Complementary

| | |
|---|---|
| Mechanical durability | 300000 cycles |
| Minimum torque for tripping | 1 N.m |
| Tripping angle | 10 ° for fault signalling, 18 ° for stopping of the conveyor belt |
| Minimum actuation speed | 0.01 m/mn |
| Cable entry | 1 entry tapped for Pg 13.5 cable gland, cable outer diameter: 9-12 mm conforming to NF C 68-300 |
| Contact code designation | A300, AC-15 (Ue = 240 V), Ie = 3 A conforming to IEC 60947-5-1 appendix A, Q300, DC-13 (Ue = 250 V), Ie = 0.27 A conforming to IEC 60947-5-1 appendix A |

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.
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|---|---|
| Electrical durability | 5000000 cycles, DC-13, inductive load type, 120 V, 4 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, 5000000 cycles, DC-13, inductive load type, 24 V, 7 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C, 5000000 cycles, DC-13, inductive load type, 48 V, 10 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 0.5...2 x 2.5 mm² |
| Positive opening | Without |
| Contact block per direction [control circuit] | 2 per direction |
| Contacts insulation form | Za |
| Contacts type and composition | 2 C/O |
| Terminals description ISO n°1 | (11-12)NC<br>(13-14)NO |
| Contact operation | Snap action |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 60664, 6 kV conforming to IEC 60947-1 |
| [Ui] rated insulation voltage | 300 V conforming to UL 508, 500 V (pollution degree 3) conforming to IEC 60947-1, 500 V (pollution degree 3) conforming to VDE 0110, 300 V conforming to CSA C22.2 No 14 |
| Overvoltage category | Class I conforming to IEC 61140, class I conforming to NF C 20-030 |
| Resistance across terminals | 25 MOhm conforming to IEC 60255-7 category 3 |
| Short-circuit protection | 10 A cartridge fuse, type gG |
| Width | 85 mm |
| Depth | 75 mm |
| Product weight | 1155 kg |

## Environment

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|---|---|
| IP degree of protection | IP65 conforming to IEC 60529 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Shock resistance | 30 gn for 18 ms conforming to IEC 60068-2-27 |
| Vibration resistance | 9 gn (f= 10-500 Hz) conforming to IEC 60068-2-6 |
| Protective treatment | TC |

## Offer Sustainability

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|---|---|
| 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 www.P65Warnings.ca.gov |

## Warranty

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|---|---|
| Warranty | 18 months |

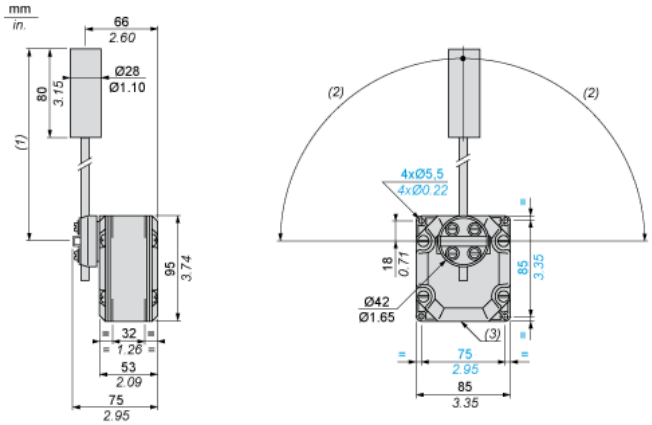
## Packing Units

| | |
|---|---|
| Country of origin | FR (France) |

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|---|---|
| Unit type of package 1 | PCE |
| Number of units in package 1 | 1 |
| New Package 1 GTIN-13 | 3666916049440 |
| Package 1 height | 9 cm |
| Package 1 width | 13 cm |
| Package 1 length | 23.2 cm |
| Package 1 weight | 1.17 kg |
| Unit type of package 2 | S02 |
| Number of units in package 2 | 3 |
| New Package 2 GTIN 14 | 13666916049447 |
| Package 2 height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 length | 40 cm |
| Package 2 weight | 4.376 kg |
| Unit type of package 3 | S03 |
| Number of units in package 3 | 8 |
| New Package 3 GTIN 14 | 23666916049444 |
| Package 3 height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 length | 40 cm |
| Package 3 weight | 10.83 kg |

## Technical Drawings

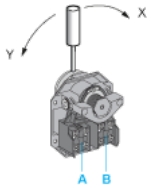
### Dimensions




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

## Wiring Diagram

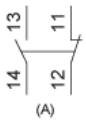
2 Single-pole CO Snap Action

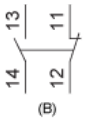



- (A) 1 contact
- (B) 2 contact

## Wiring Diagram

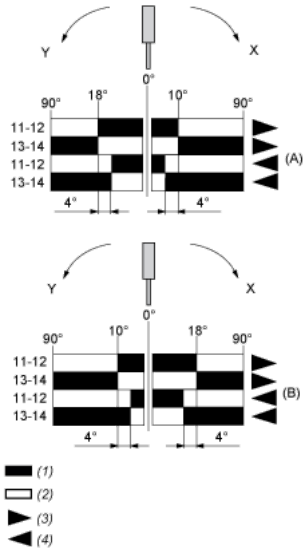
2 Single-pole CO Snap Action




- (A) 1 contact
- (B) 2 contact
- (A) 1 contact
- (B) 2 contact

## Functionnal Diagram




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